



## **Revised Boeing ACN Data for 4-Wheel Main Gear Aircraft**

In October 2007, the ICAO Air Navigation Commission released their final approval (via State Letter SL AN/420.1-EB/07/26 dated 16 October 2007) directing that permanent changes to be made by the aircraft manufacturer's in the way that they calculate aircraft classification numbers (ACN's). The revised alpha factors affected the ACN's of all four-wheel and six-wheel main landing gear aircraft. The six-wheel main landing gear aircraft include the revised ACNs in their respective Airplane Characteristics for Airport Planning documents. Until we are able to update the Airplane Characteristics for Airport Planning manuals for the remaining models, the following charts (separate charts for pounds / kilograms) should be used as the authoritative list of ACN's for the Boeing, Douglas and McDonnell-Douglas aircraft shown below.

707-320C  
720B  
747-SP  
747-100  
747-200B  
747-300  
747-400ER  
757-200  
757-300  
767-200  
767-200ER  
767-300  
767-300ER  
767-400ER  
DC-8-63  
MD/DC-10-10  
MD/DC-10-30  
MD-11ER

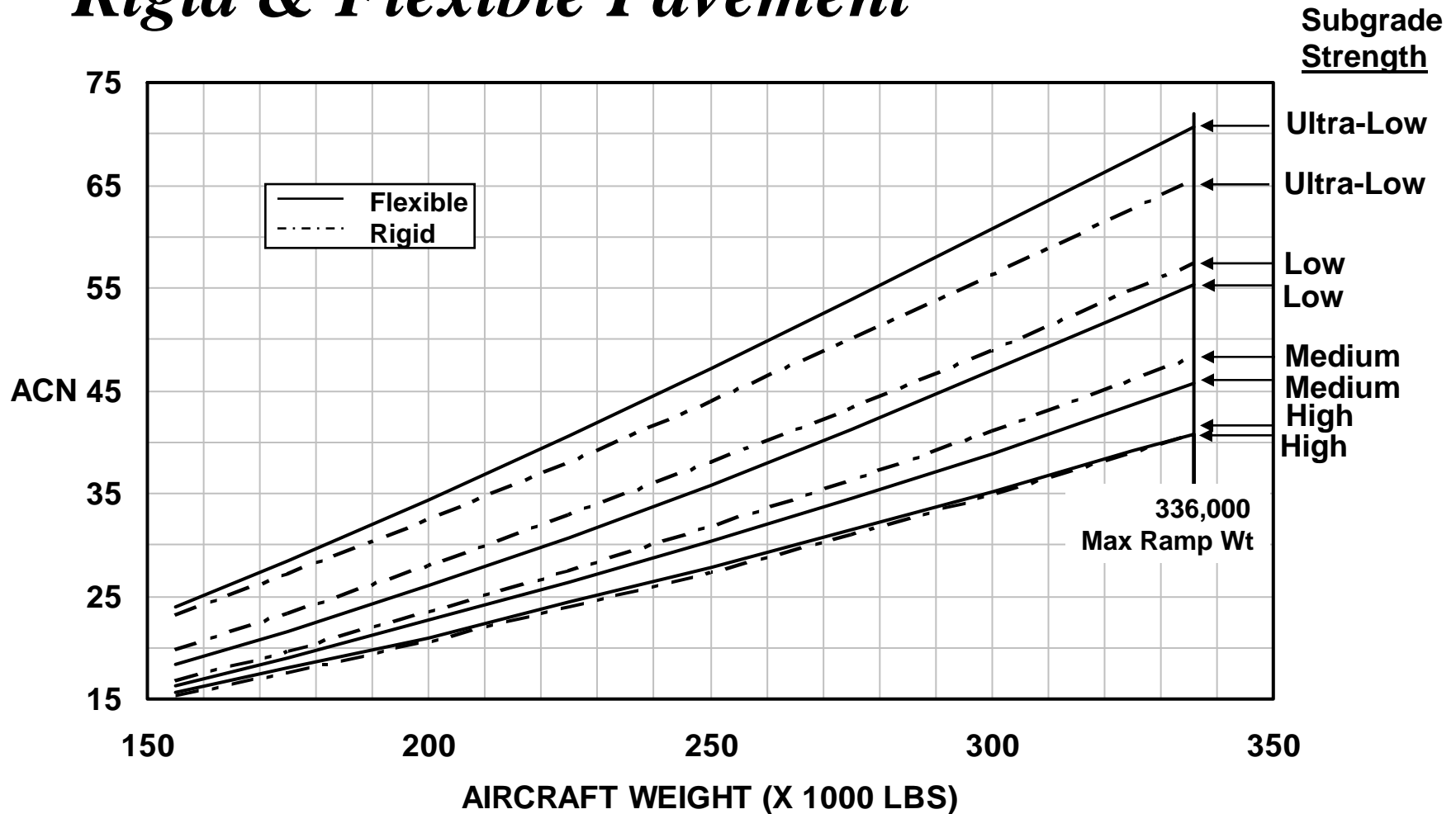
If an aircraft is not listed above, then the respective Airplane Characteristics for Airport Planning document already incorporates the revised ACN data.

Additional questions concerning this issue can be directed to Boeing's Airport Technology group as follows:

Boeing Airport Technology  
P.O. Box 3707, MC 20-93  
Seattle, WA 98124-2207  
Phone: 425-237-1004  
Fax: 425-237-2665  
[AirportTechnology@boeing.com](mailto:AirportTechnology@boeing.com)



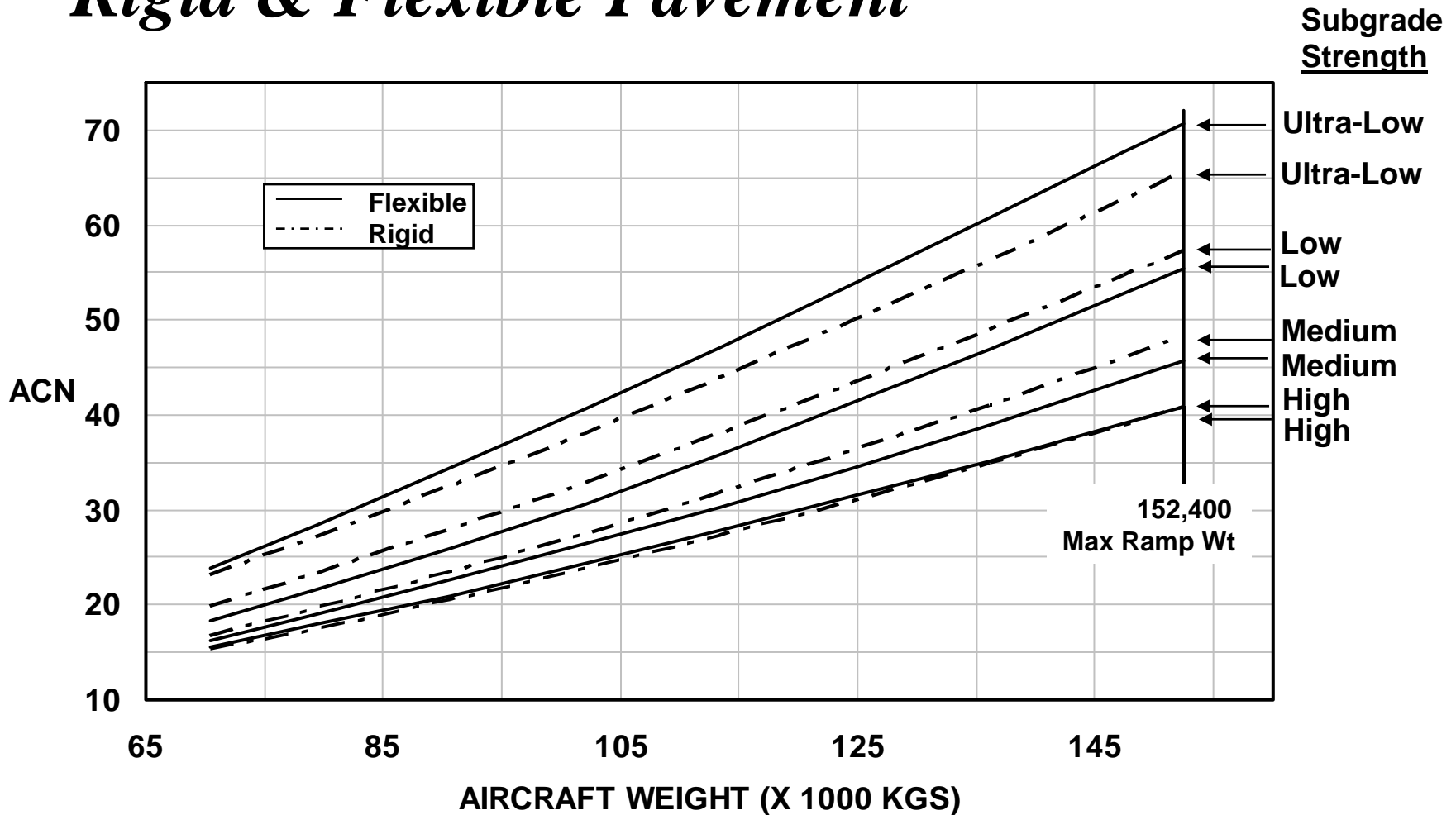
# 707-320C Aircraft Classification Number Rigid & Flexible Pavement



Notes: 93.44% wt on MLG  
180 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# 707-320C Aircraft Classification Number

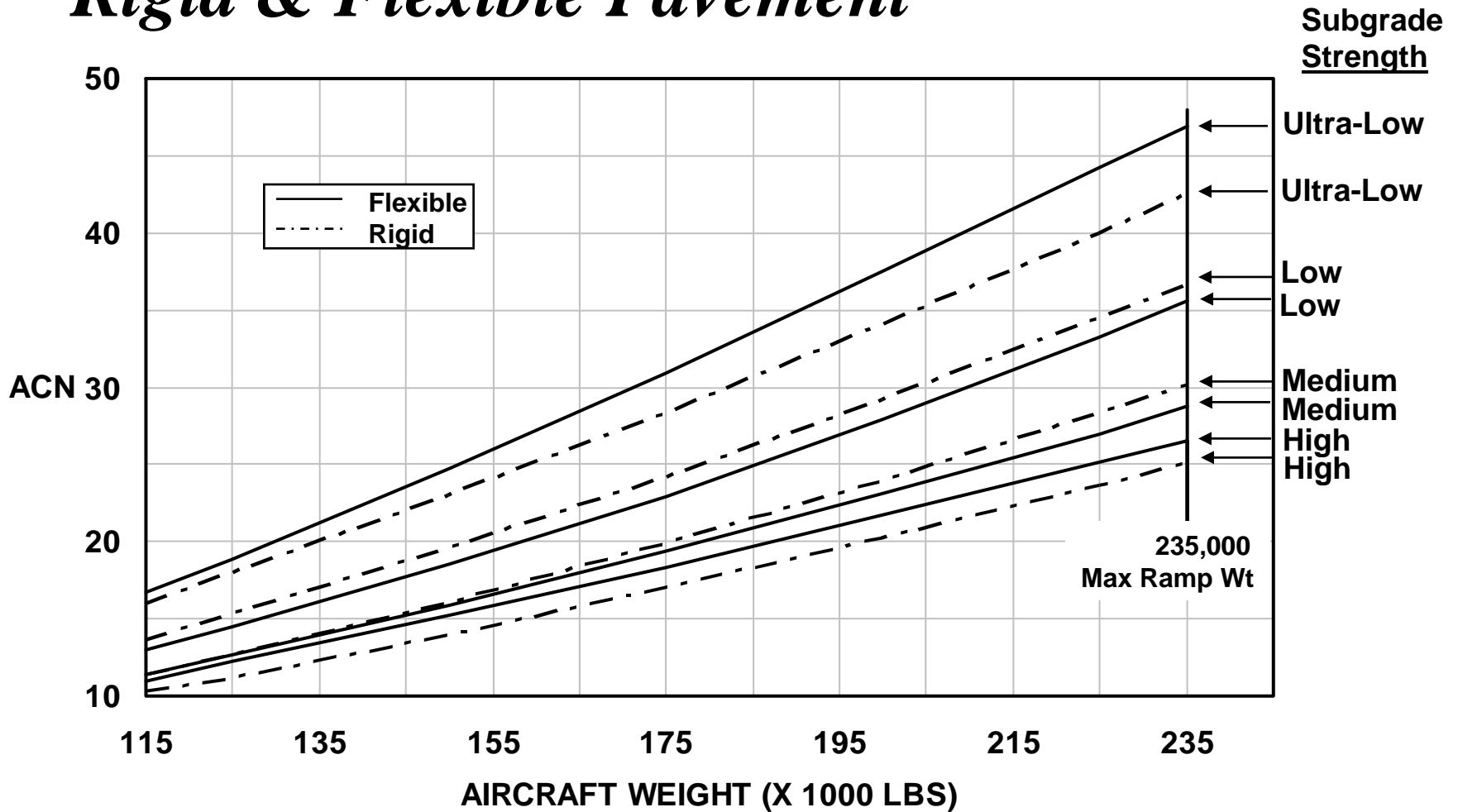
## Rigid & Flexible Pavement



Notes: 93.44% wt on MLG  
 180 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 720B Aircraft Classification Number

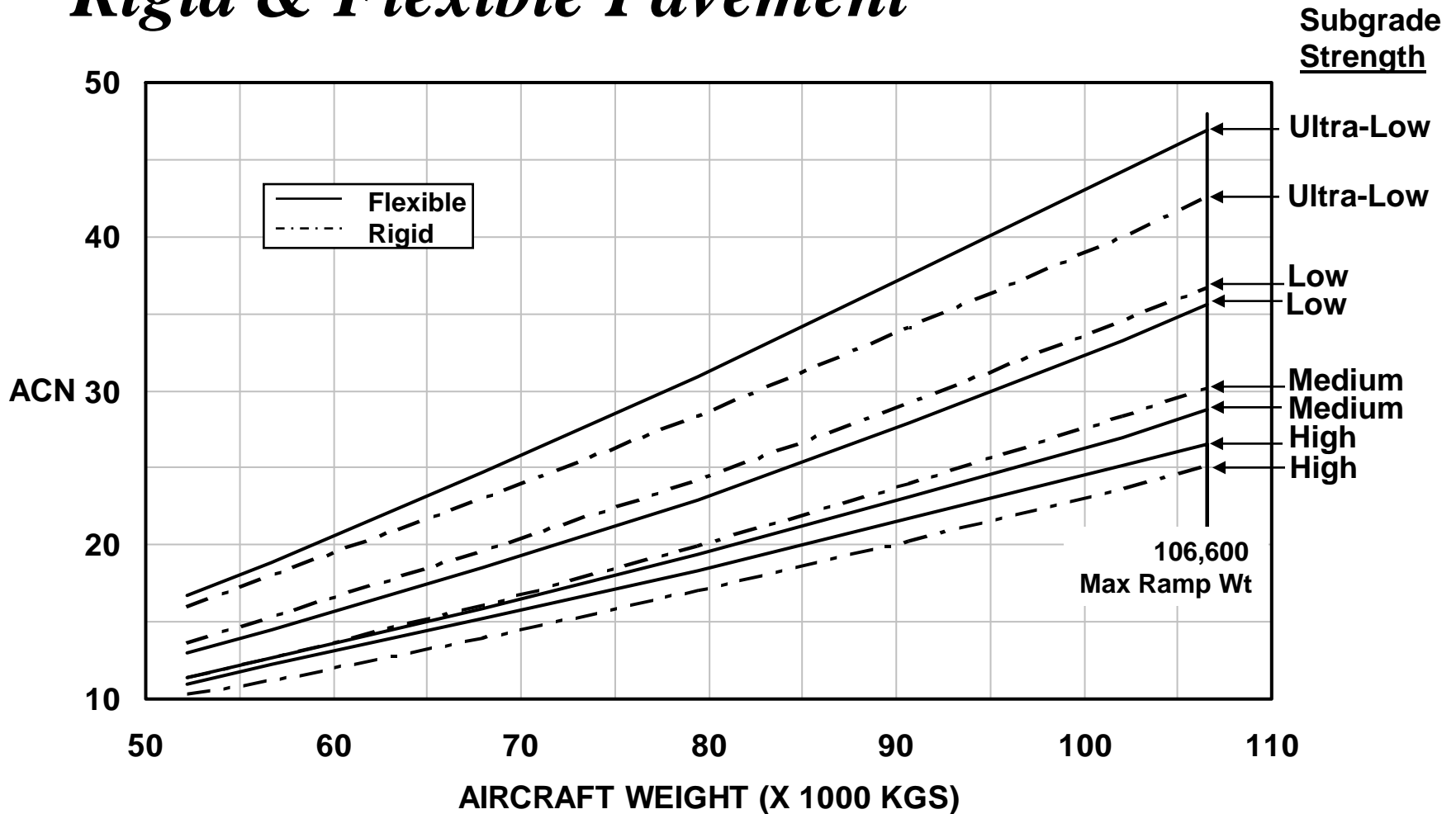
## Rigid & Flexible Pavement



Notes: 92.76% wt on MLG  
 145 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 720B Aircraft Classification Number

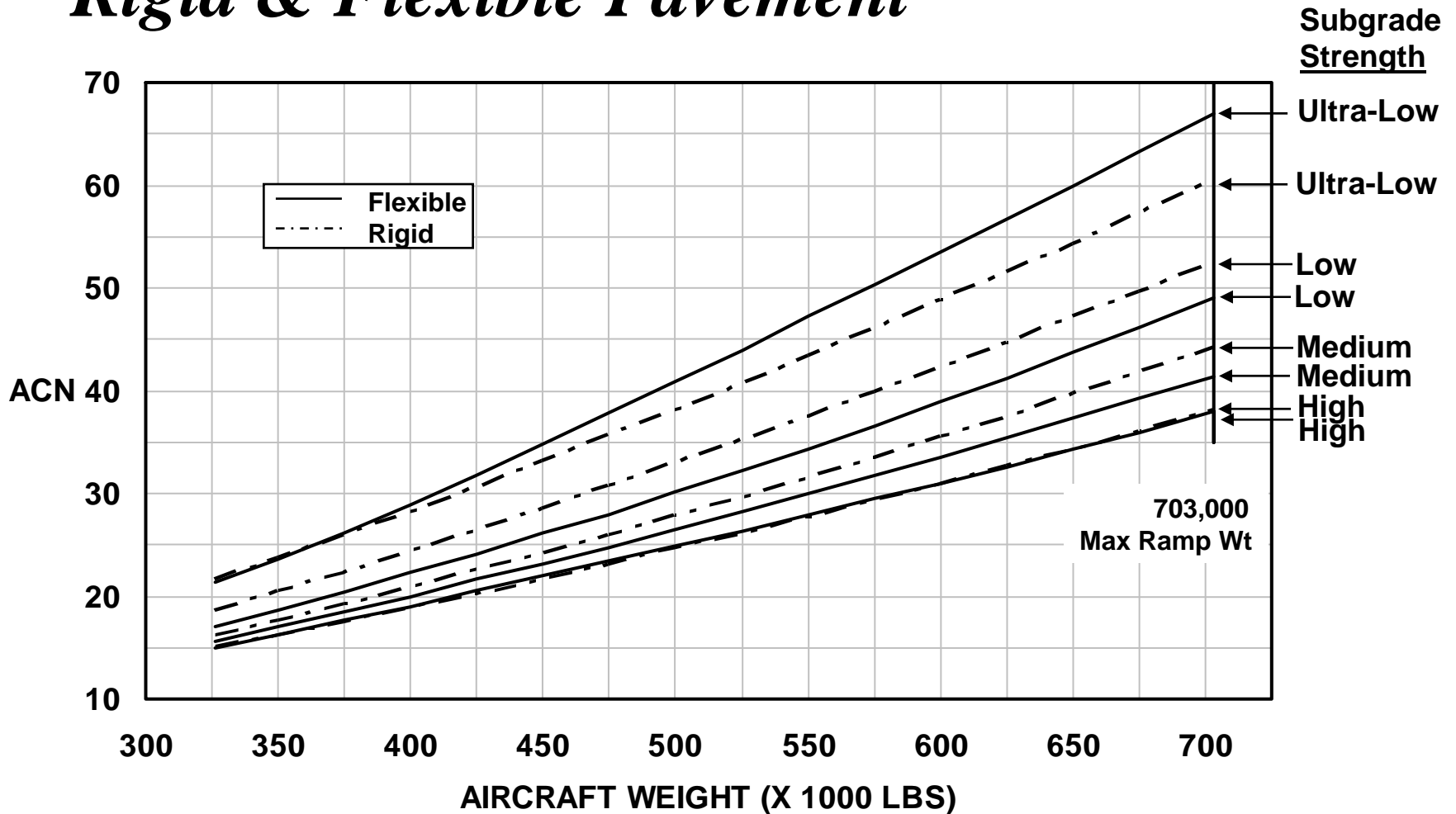
## Rigid & Flexible Pavement



Notes: 92.76% wt on MLG  
 145 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 747 SP Aircraft Classification Number

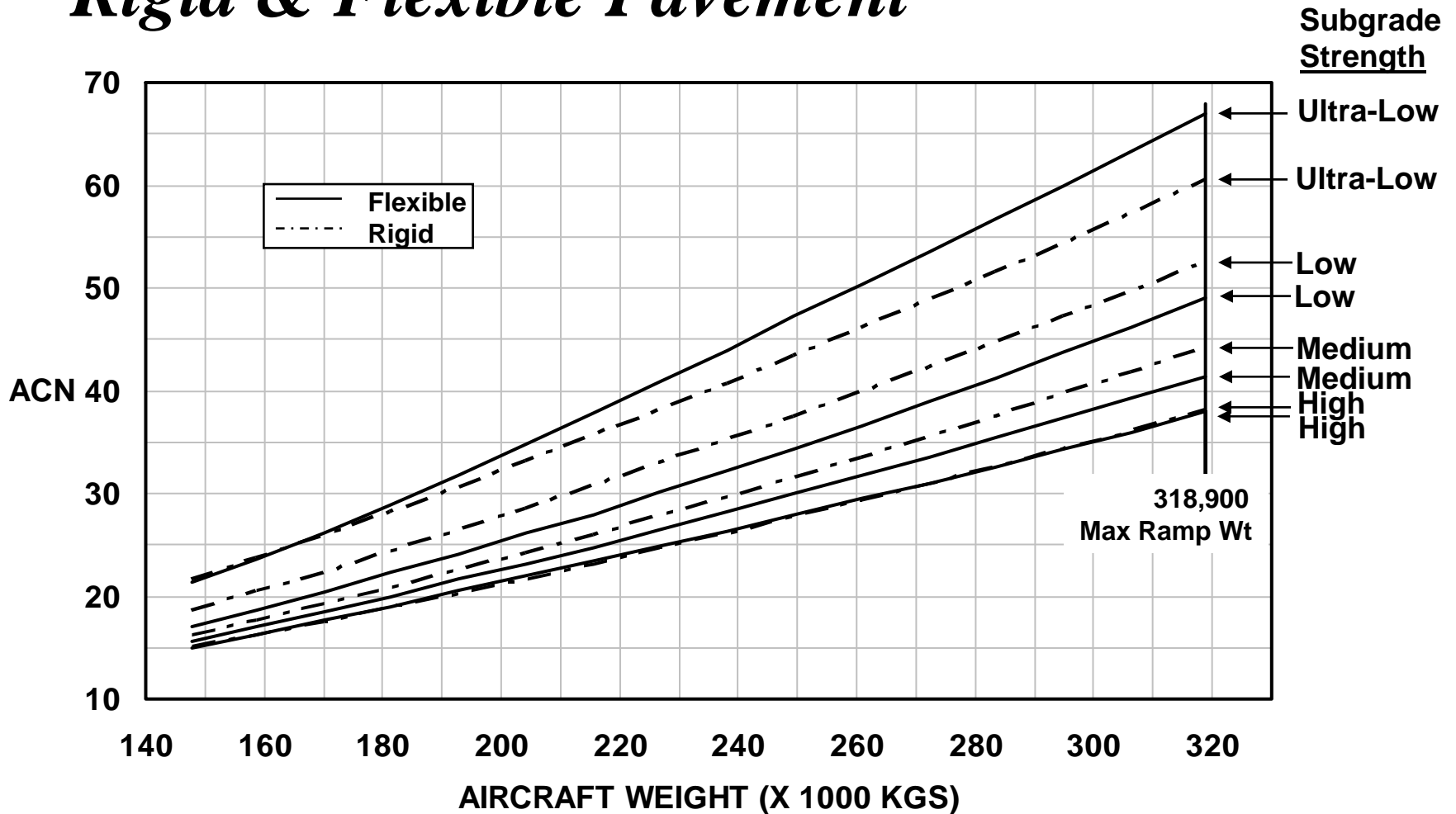
## Rigid & Flexible Pavement



Notes: 87.68% wt on MLG  
 205 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 747 SP Aircraft Classification Number

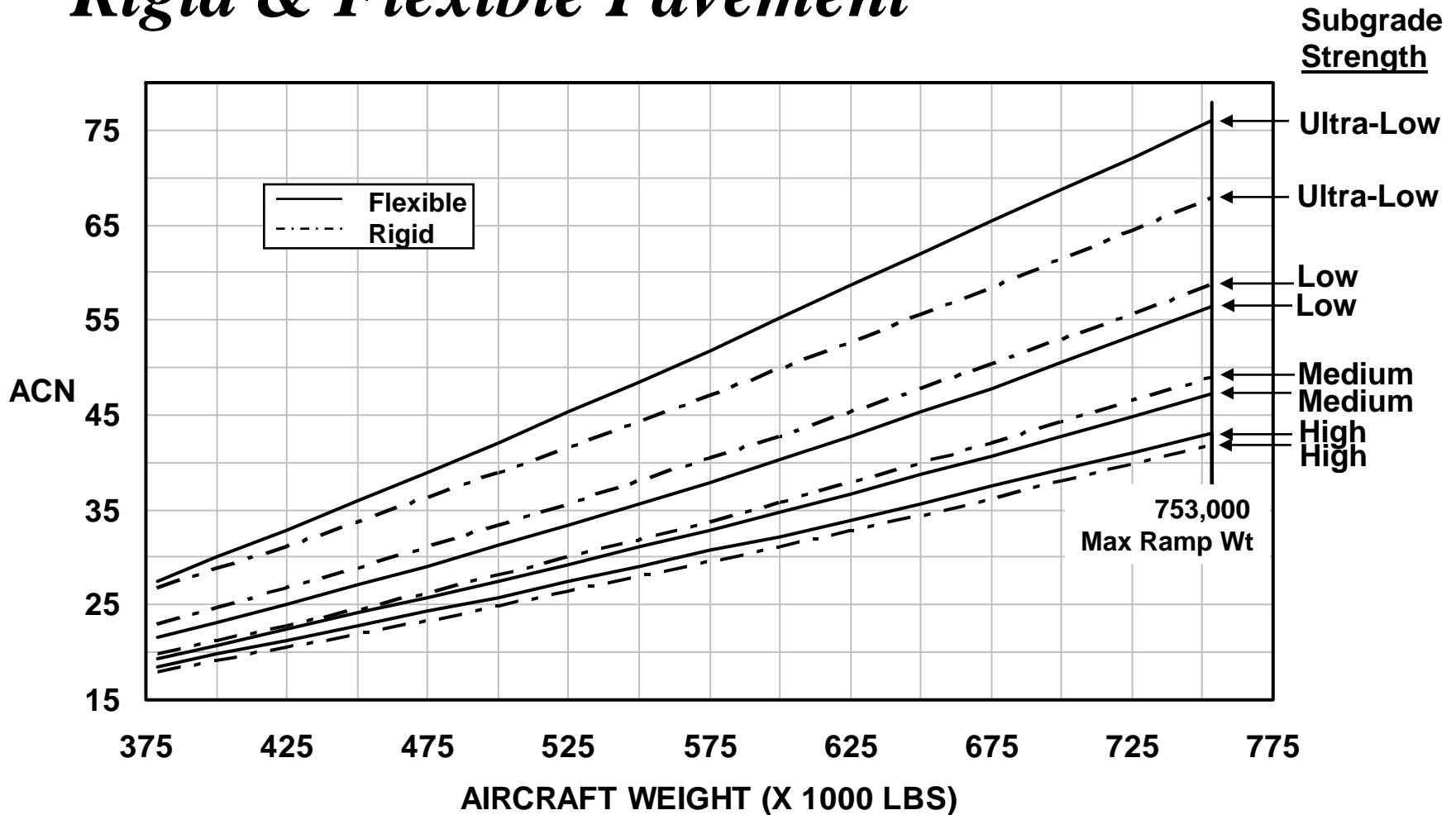
## Rigid & Flexible Pavement



Notes: 87.68% wt on MLG  
 205 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



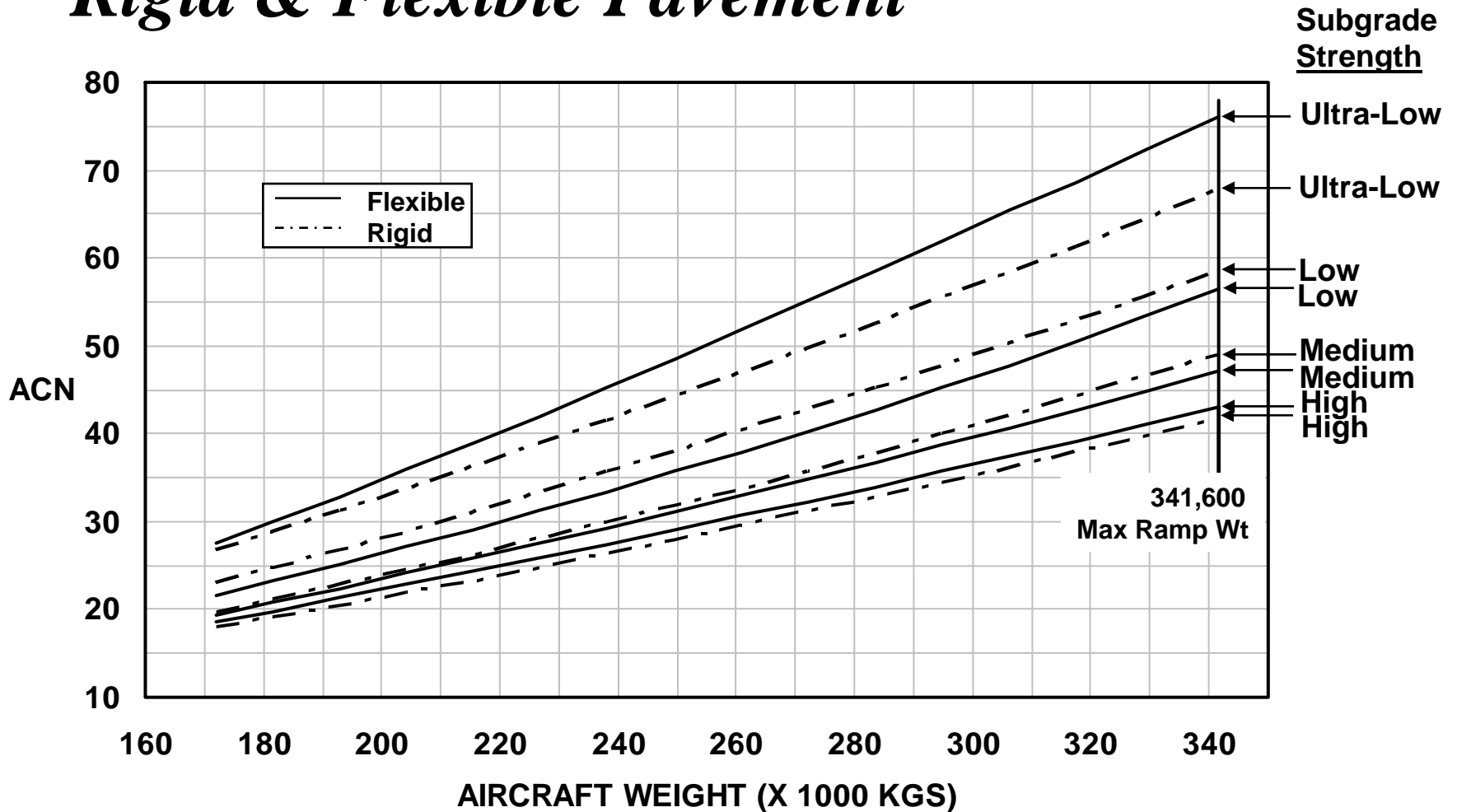
# 747-100 Aircraft Classification Number Rigid & Flexible Pavement



Notes: 92.44% wt on MLG  
192 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

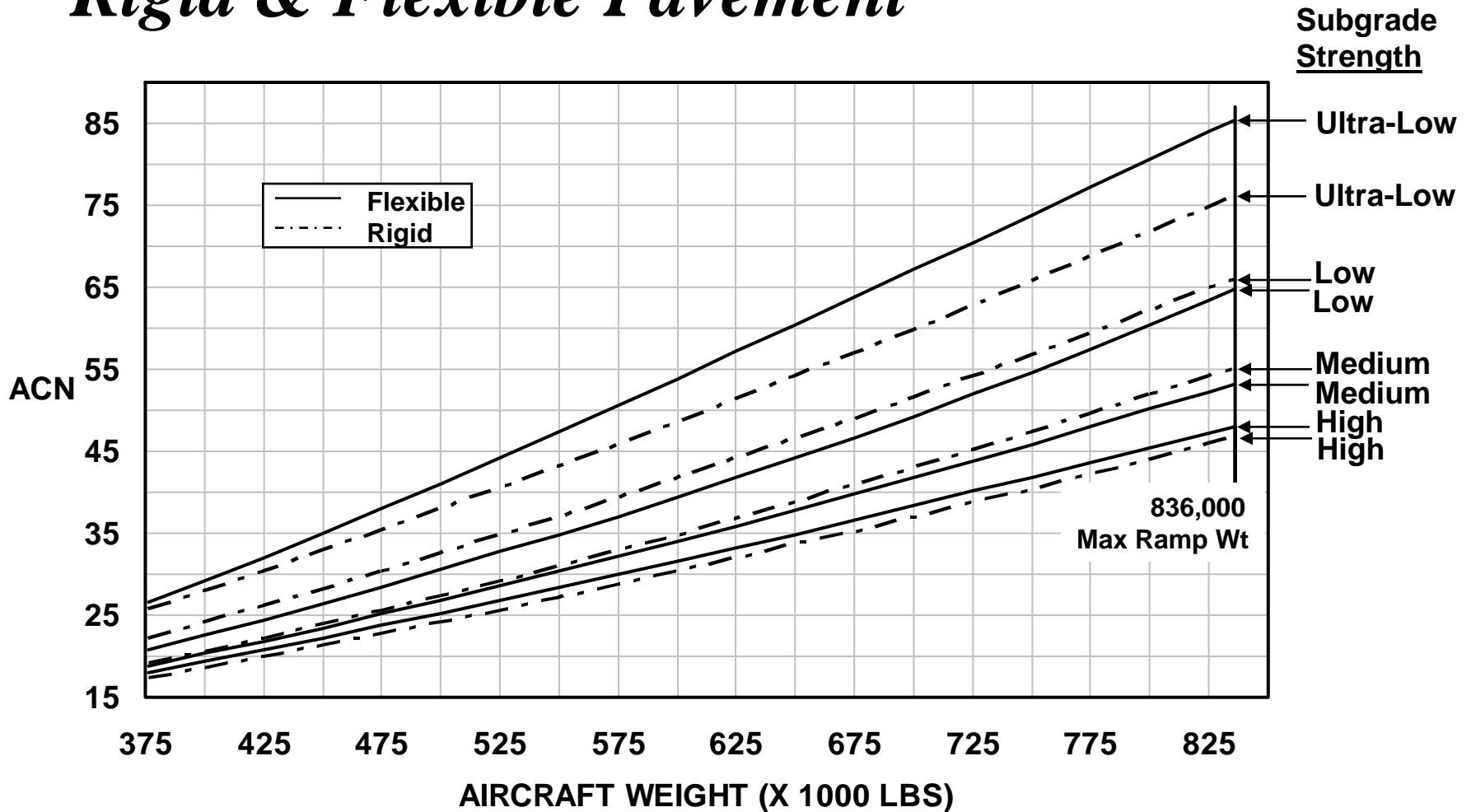


# 747-100 Aircraft Classification Number Rigid & Flexible Pavement



Notes: 92.44% wt on MLG  
192 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

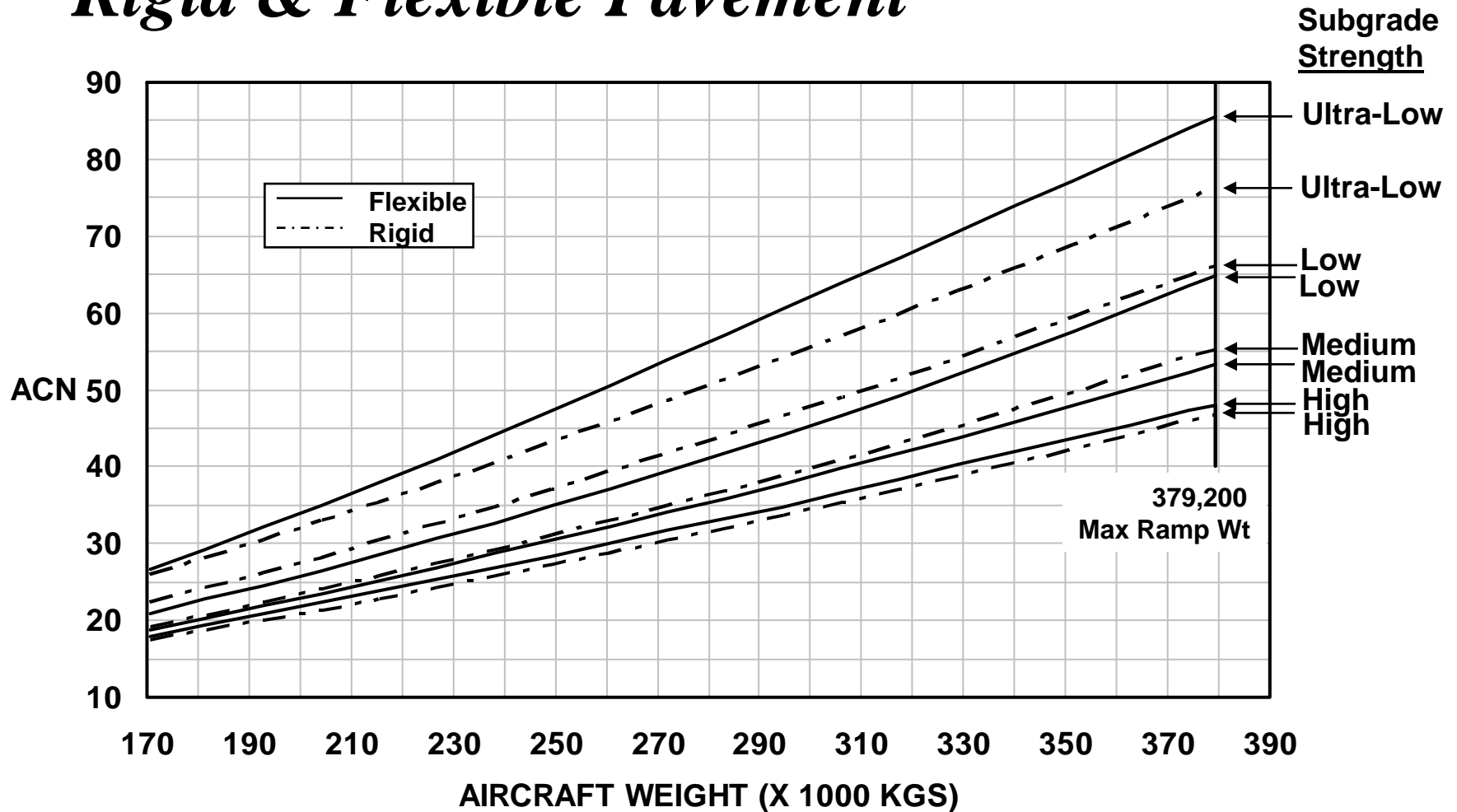
# 747-200B Aircraft Classification Number Rigid & Flexible Pavement



Notes: 90.96% wt on MLG  
 190 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 747-200B Aircraft Classification Number

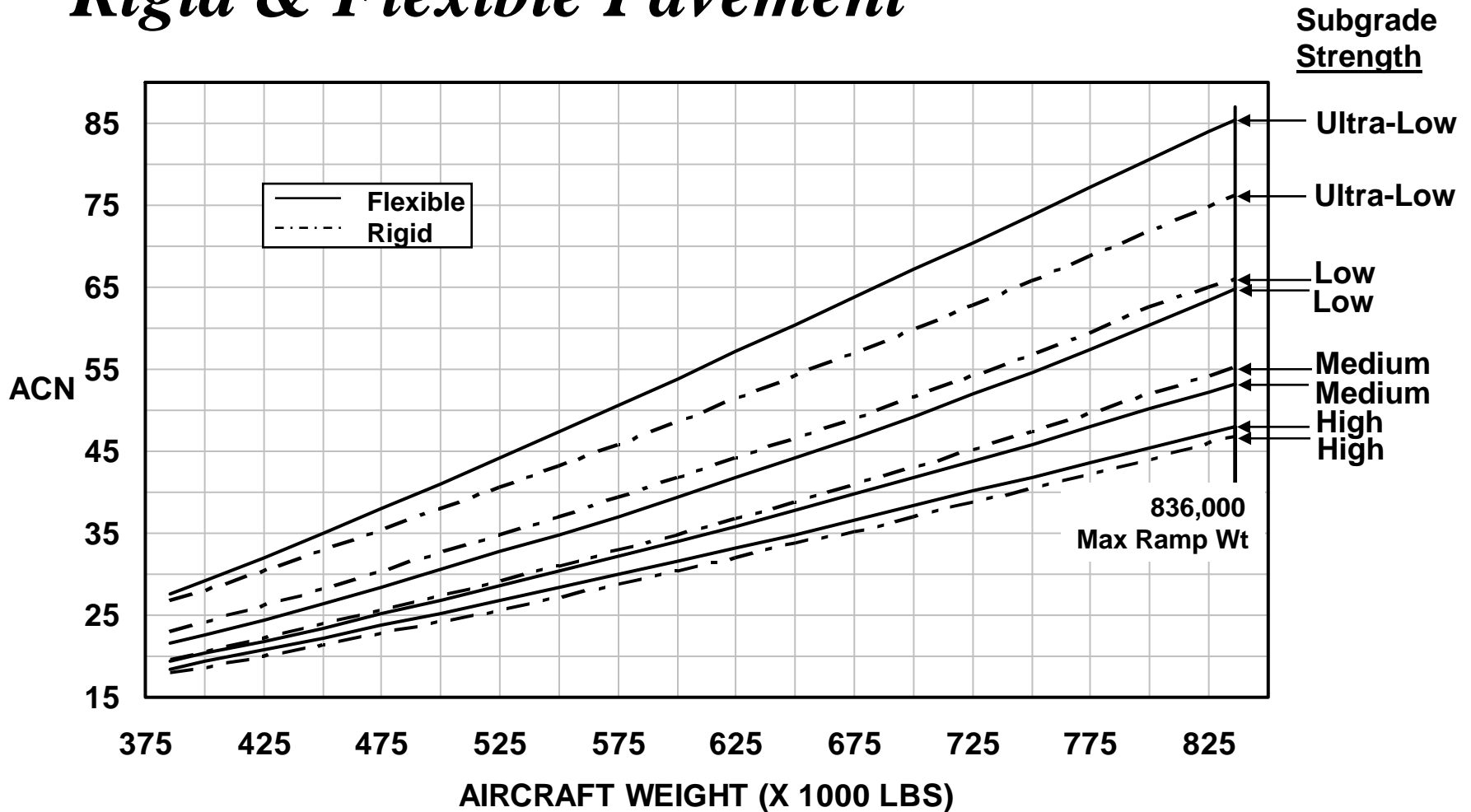
## Rigid & Flexible Pavement



Notes: 90.96% wt on MLG  
 190 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



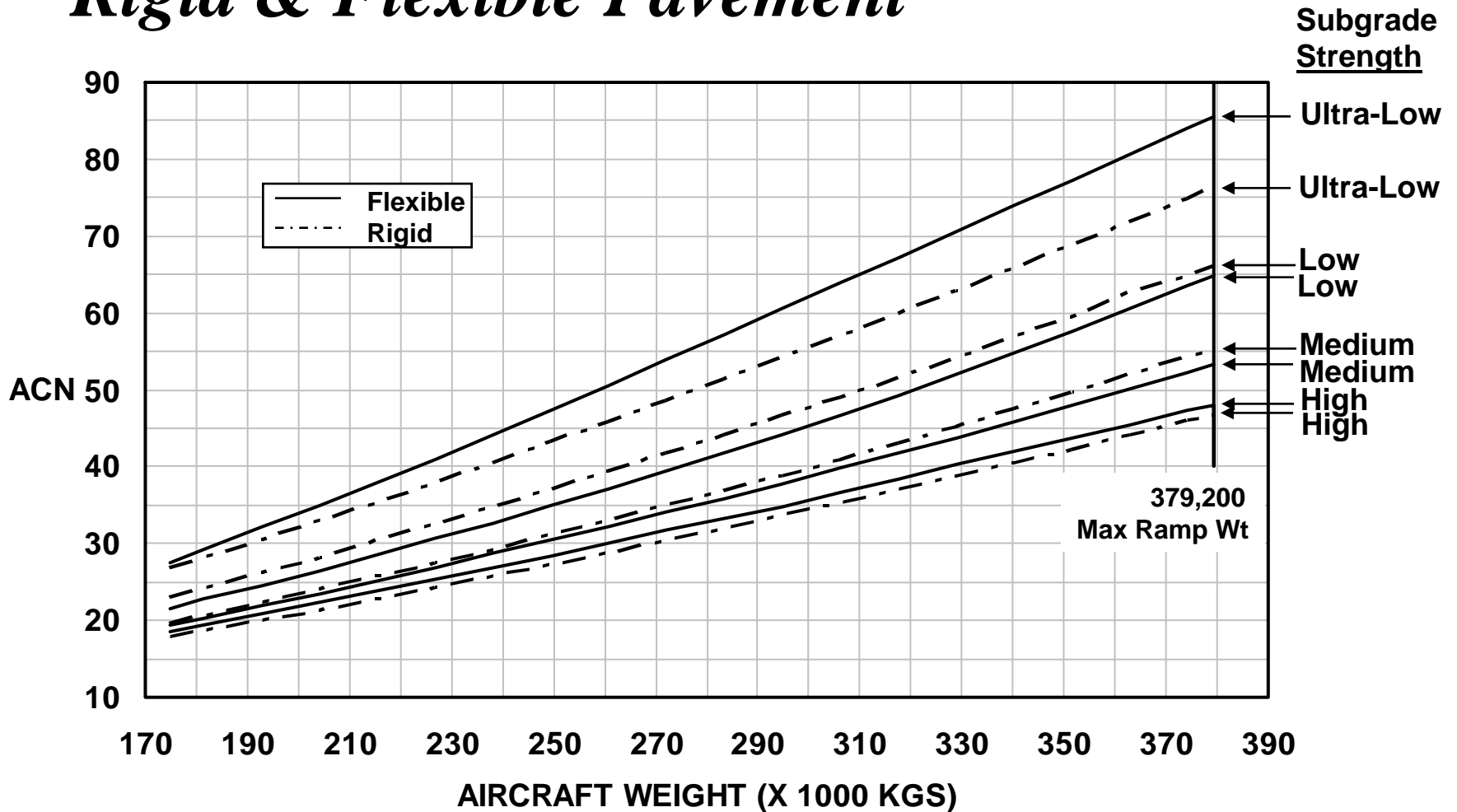
# 747-300 Aircraft Classification Number Rigid & Flexible Pavement



Notes: 90.96% wt on MLG  
190 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# 747-300 Aircraft Classification Number

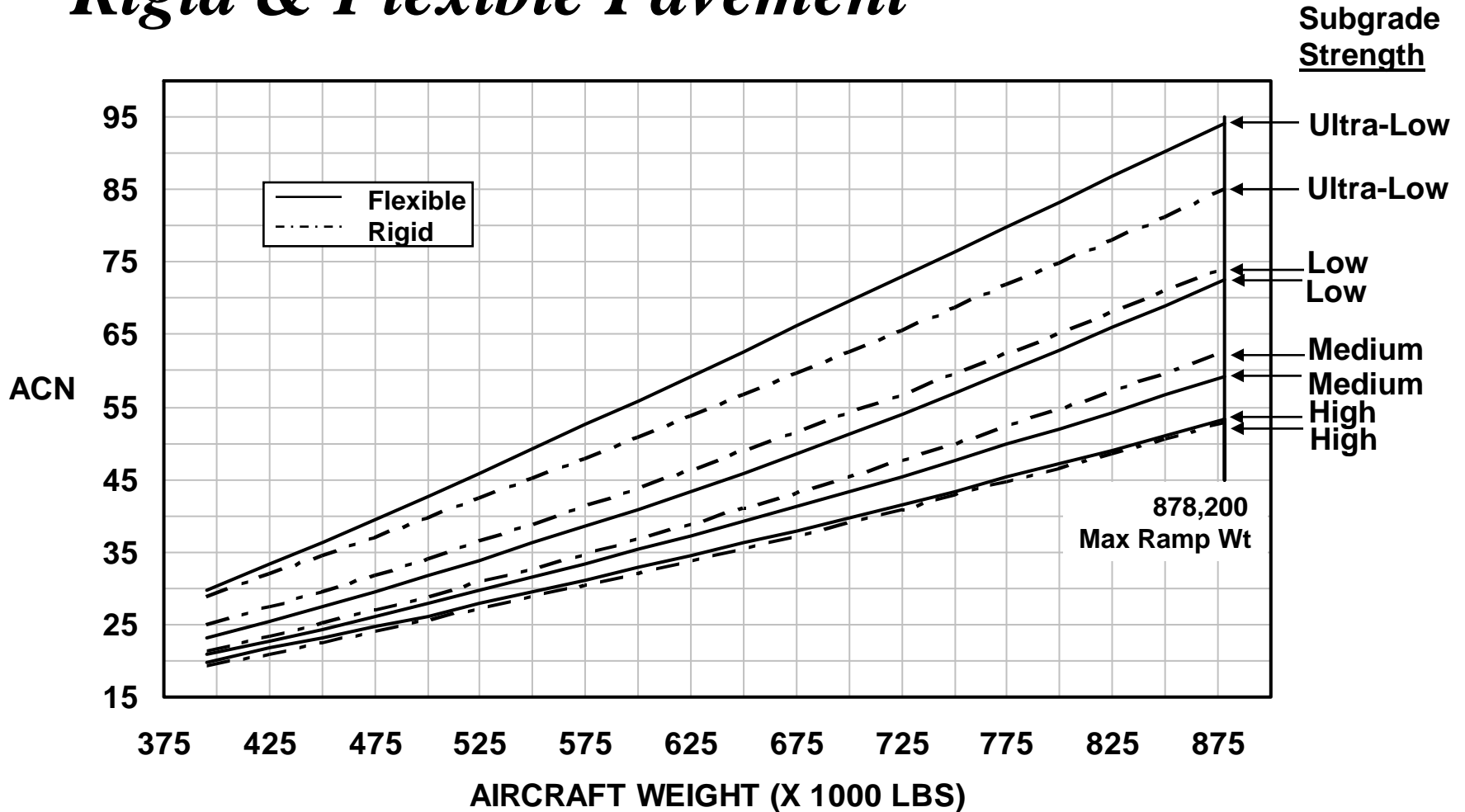
## Rigid & Flexible Pavement



Notes: 90.96% wt on MLG  
 190 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



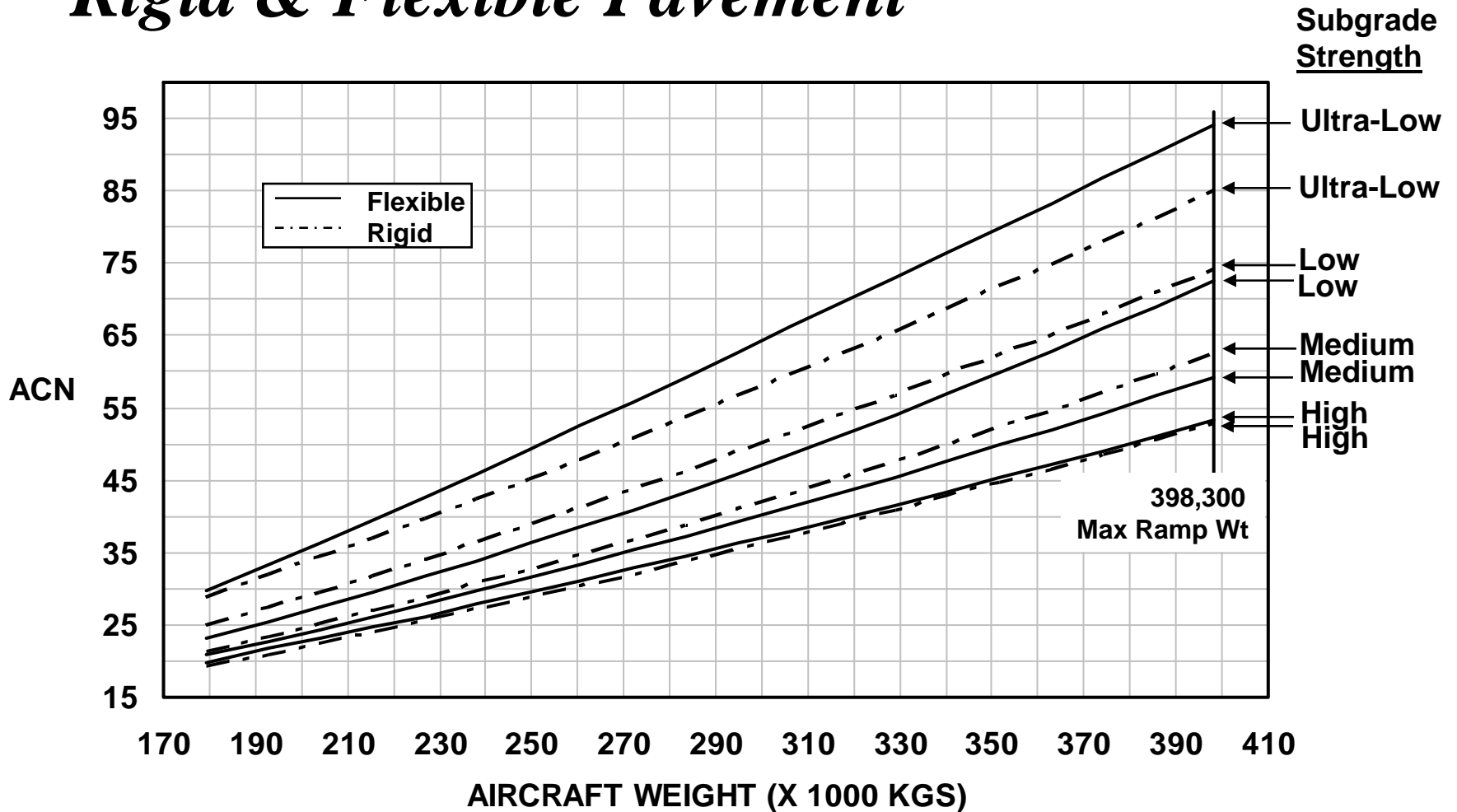
# 747-400 Aircraft Classification Number Rigid & Flexible Pavement



Notes: 93.2% wt on MLG  
200 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007



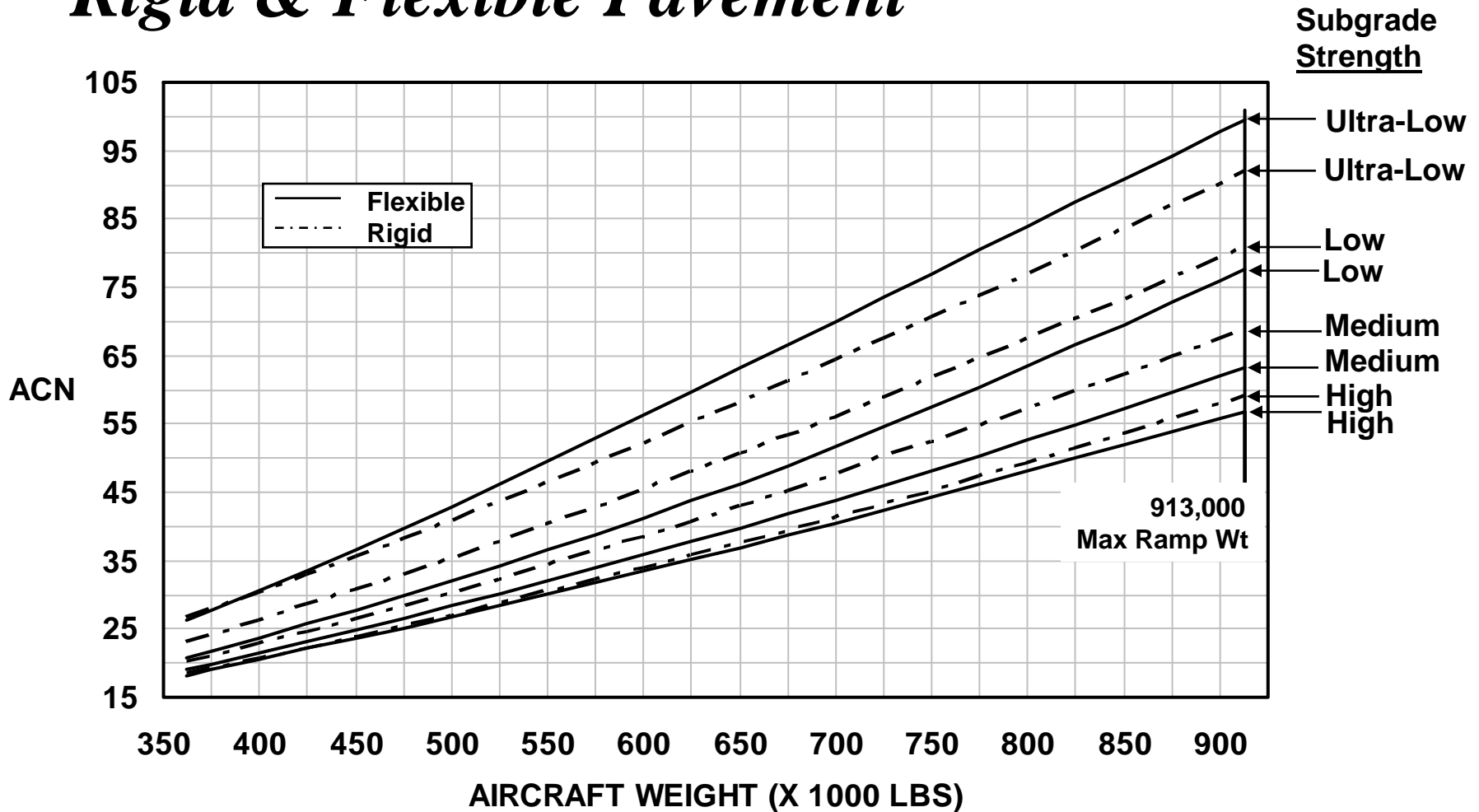
# 747-400 Aircraft Classification Number Rigid & Flexible Pavement



Notes: 93.2% wt on MLG  
200 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# 747-400ER Aircraft Classification Number

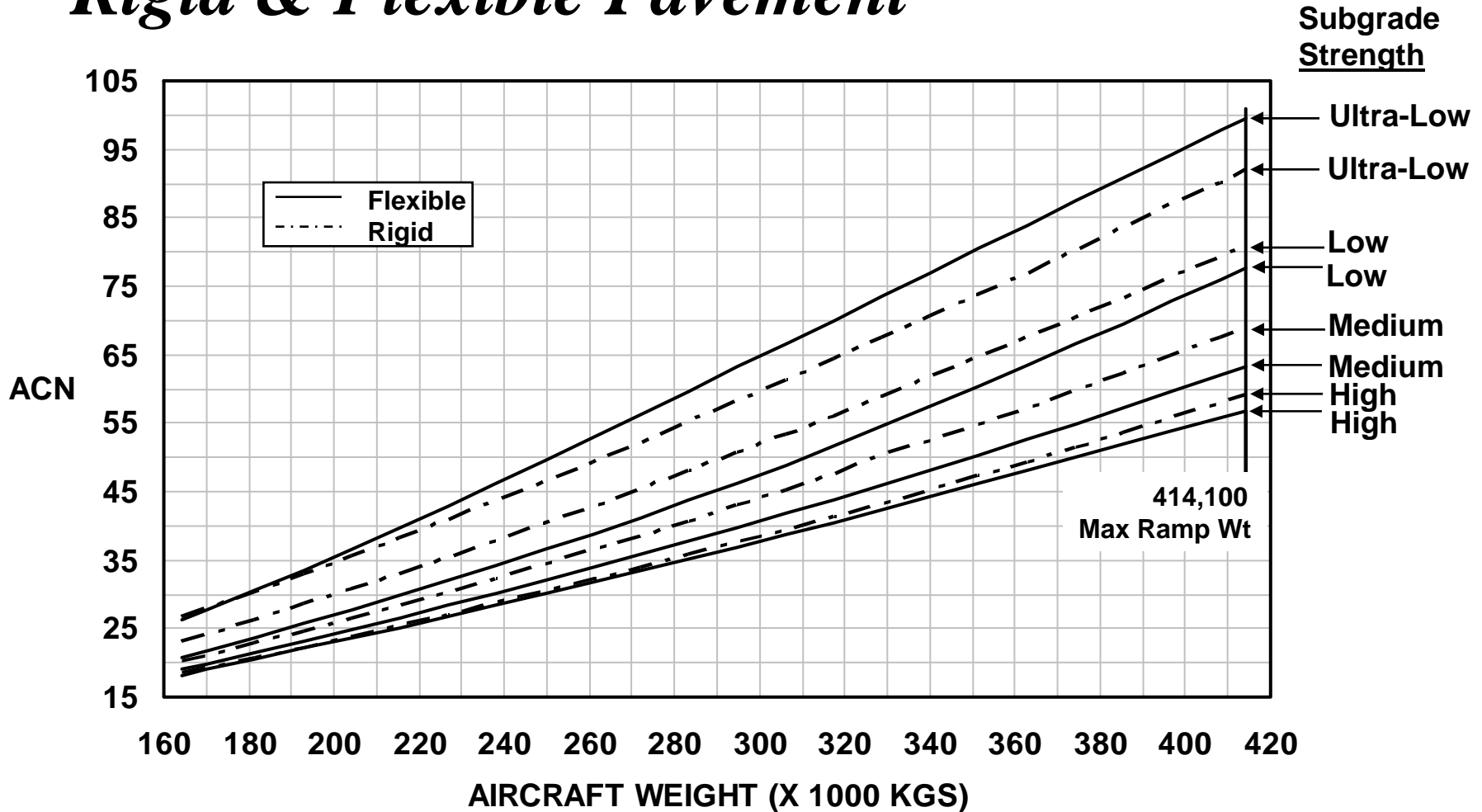
## Rigid & Flexible Pavement



Notes: 93.6% wt on MLG  
 228 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



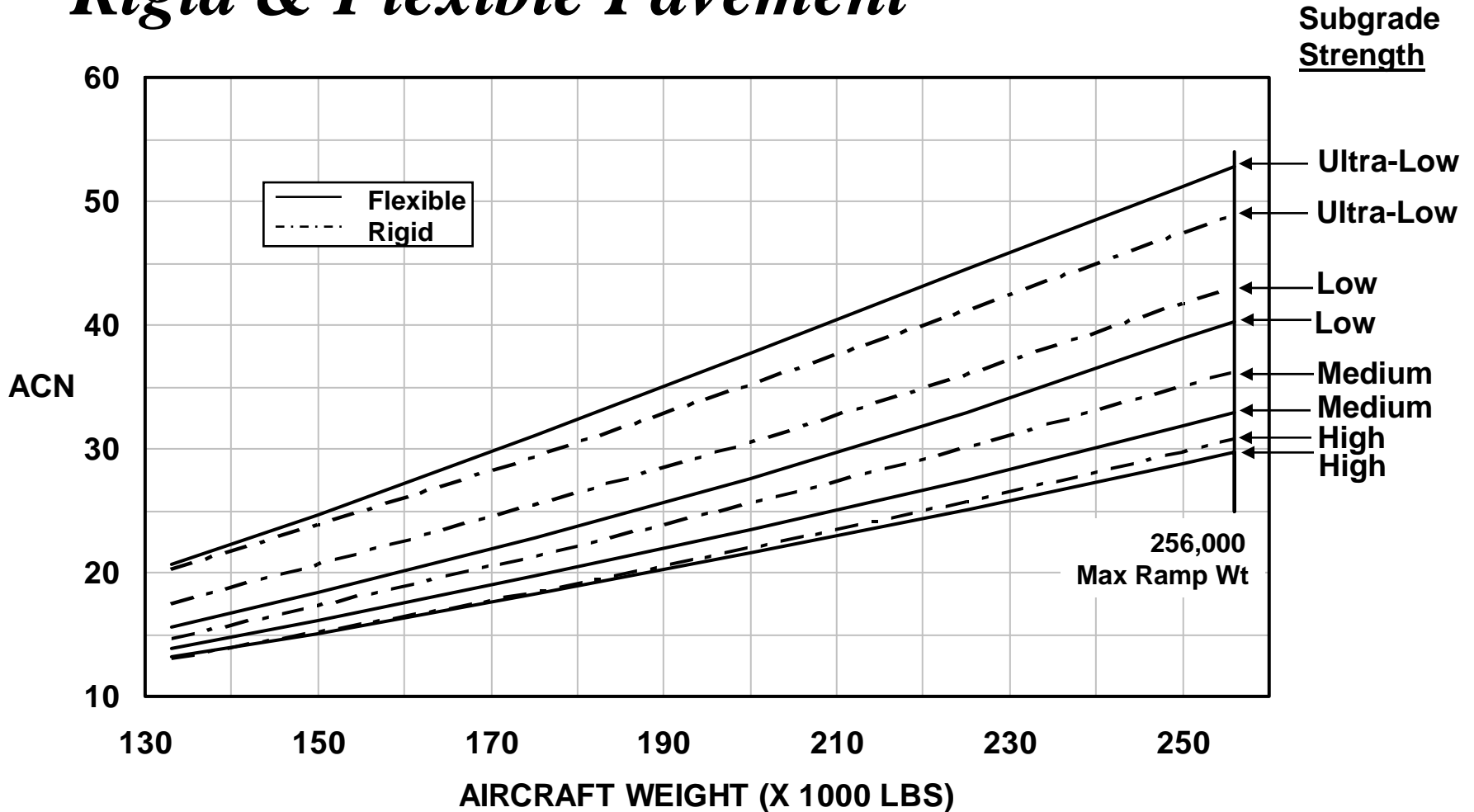
# 747-400ER Aircraft Classification Number Rigid & Flexible Pavement



Notes: 93.6% wt on MLG  
228 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# 757-200 Aircraft Classification Number

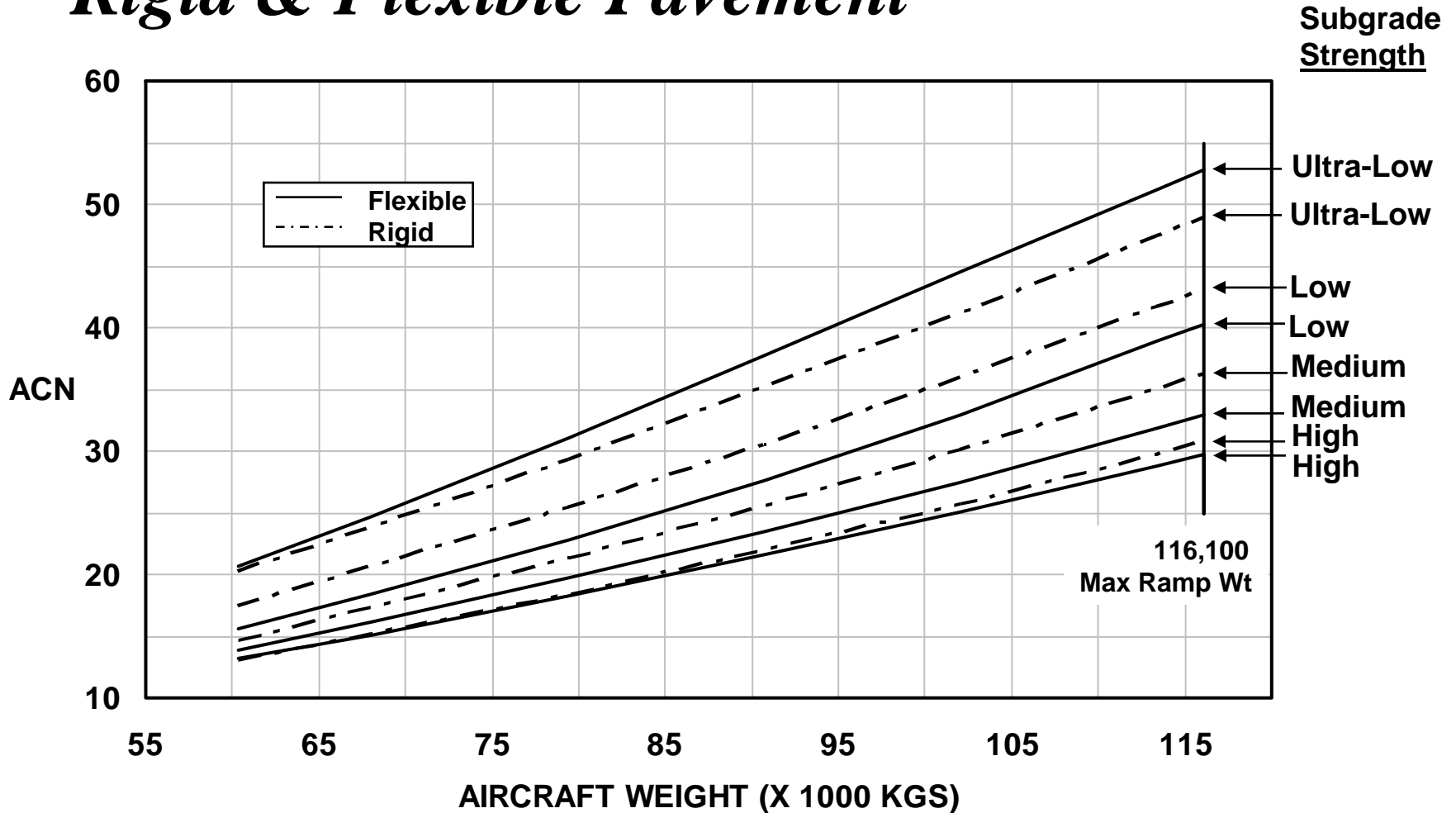
## Rigid & Flexible Pavement



Notes: 91.22% wt on MLG  
 183 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 757-200 Aircraft Classification Number

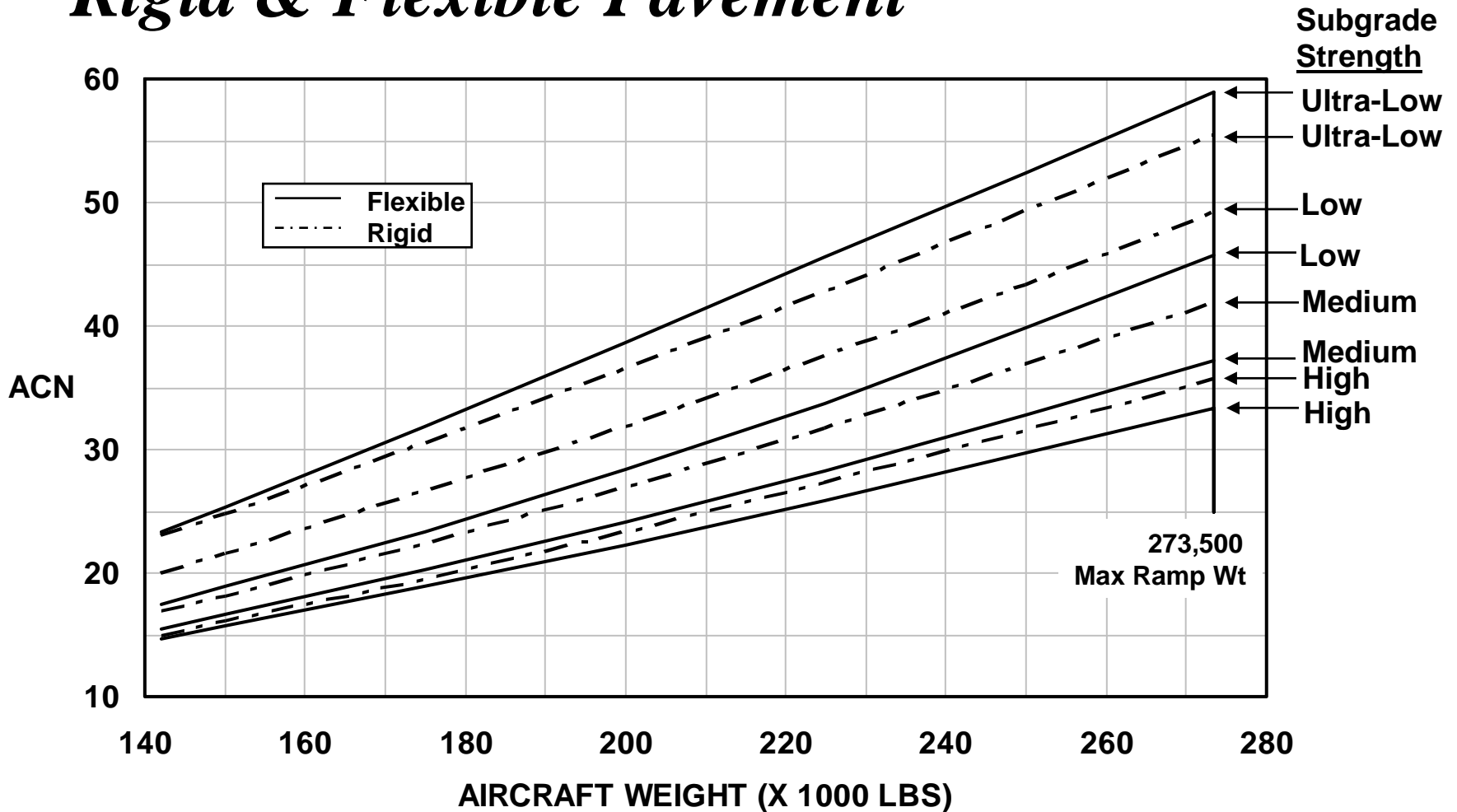
## Rigid & Flexible Pavement



Notes: 91.22% wt on MLG  
 183 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 757-300 Aircraft Classification Number

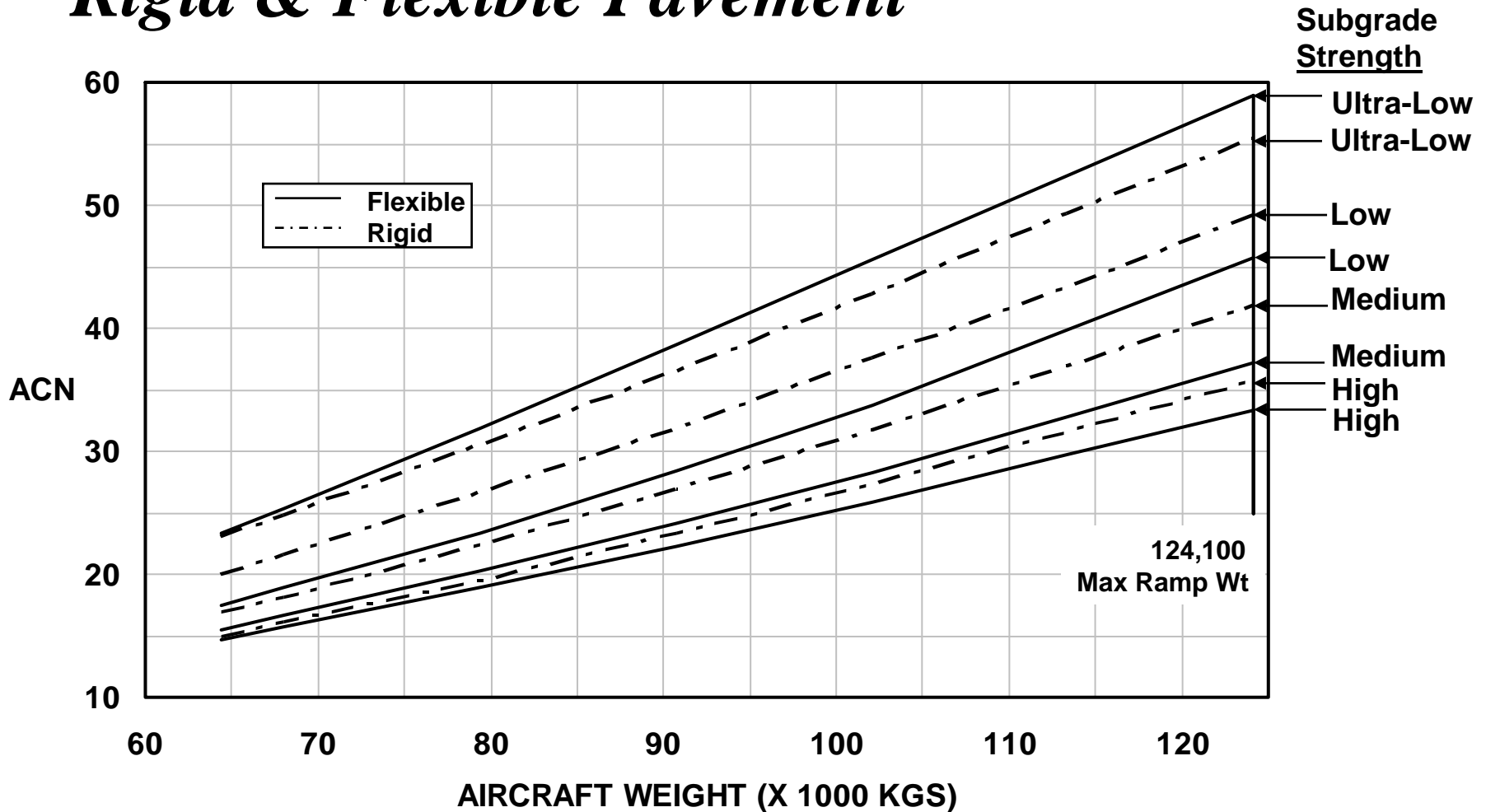
## Rigid & Flexible Pavement



Notes: 92.76% wt on MLG  
 200 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 757-300 Aircraft Classification Number

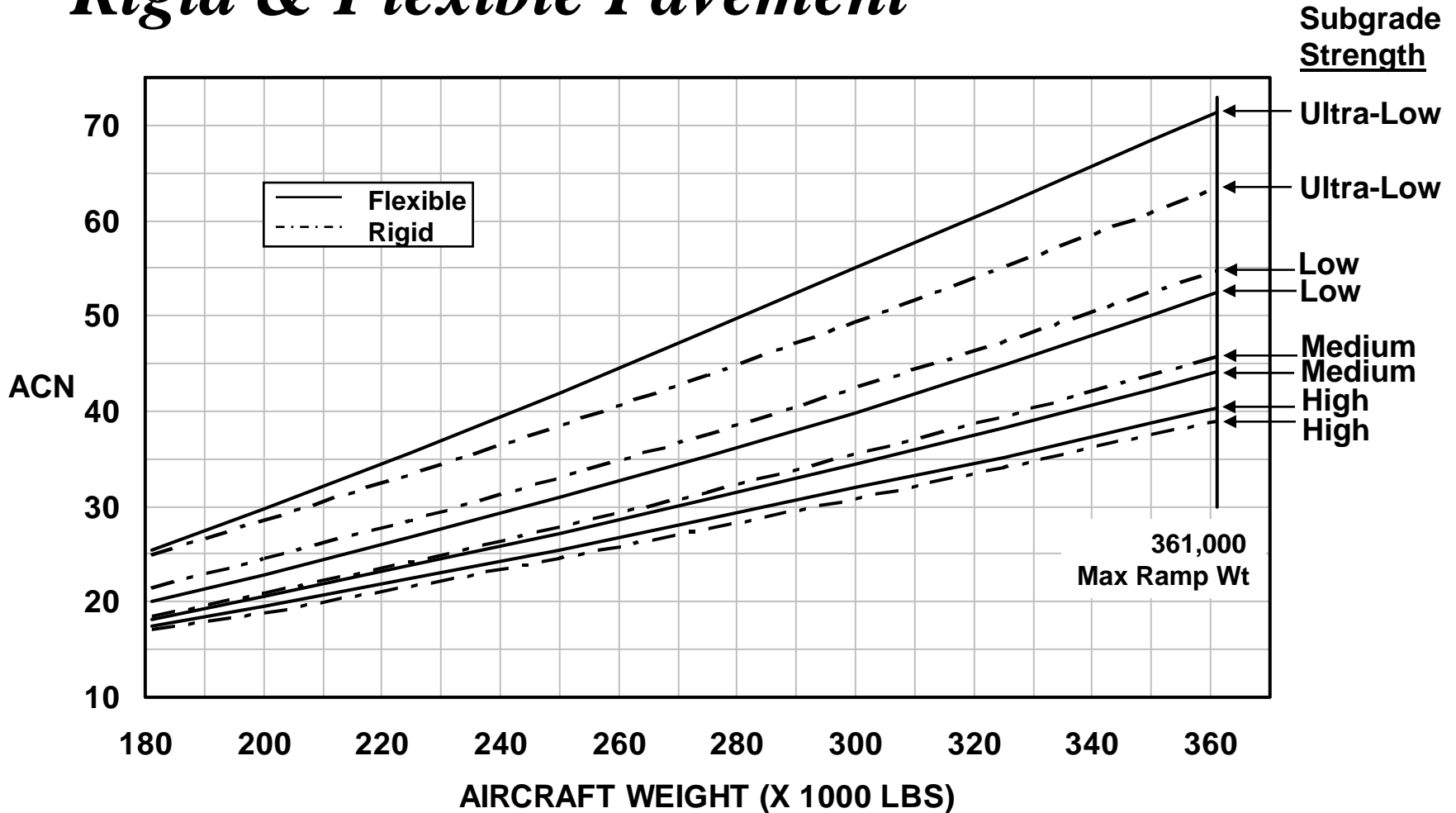
## Rigid & Flexible Pavement



Notes: 92.76% wt on MLG  
 200 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 767-200 Aircraft Classification Number

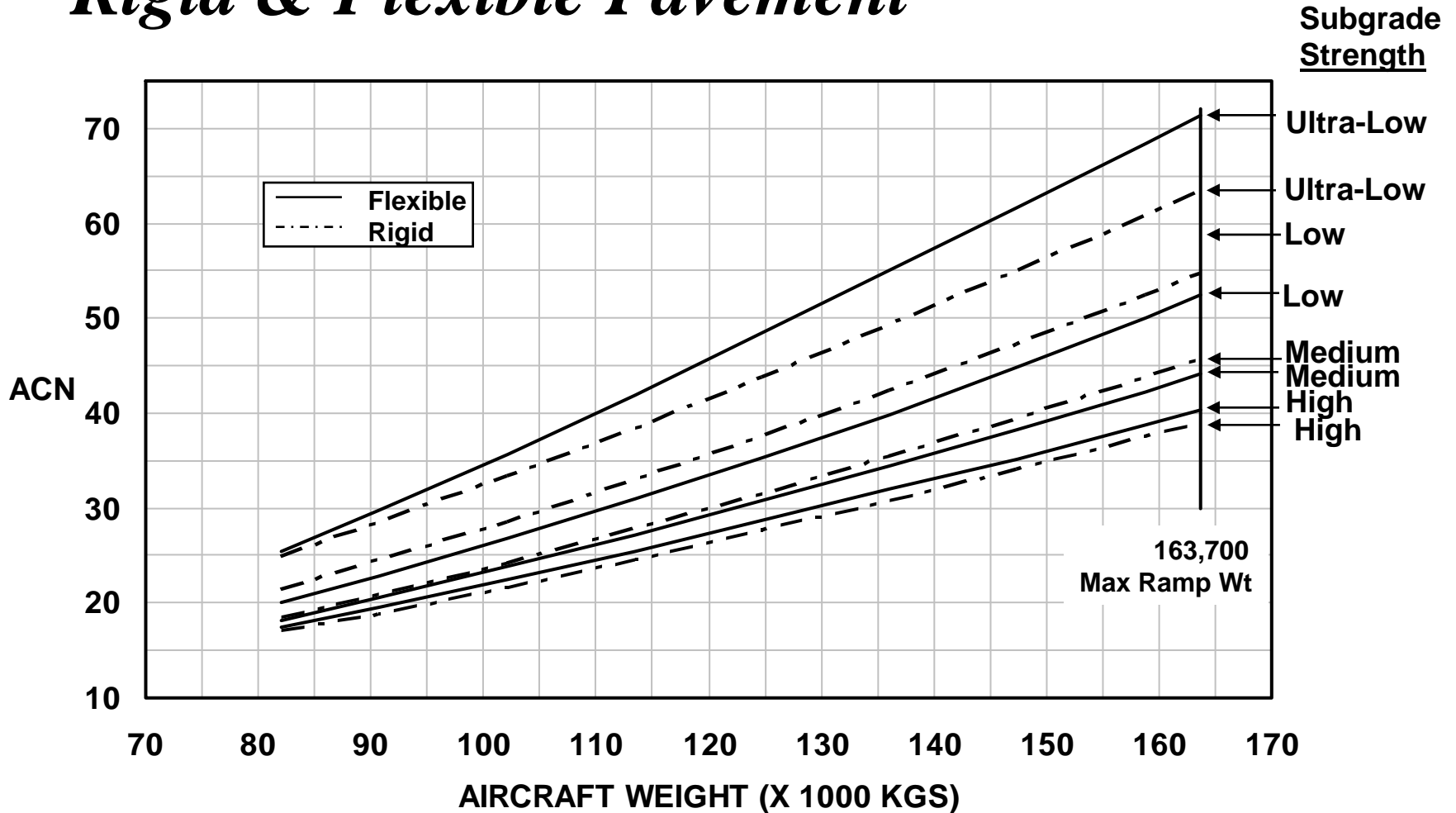
## Rigid & Flexible Pavement



Notes: 91.45% wt on MLG  
 190 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 767-200 Aircraft Classification Number

## Rigid & Flexible Pavement

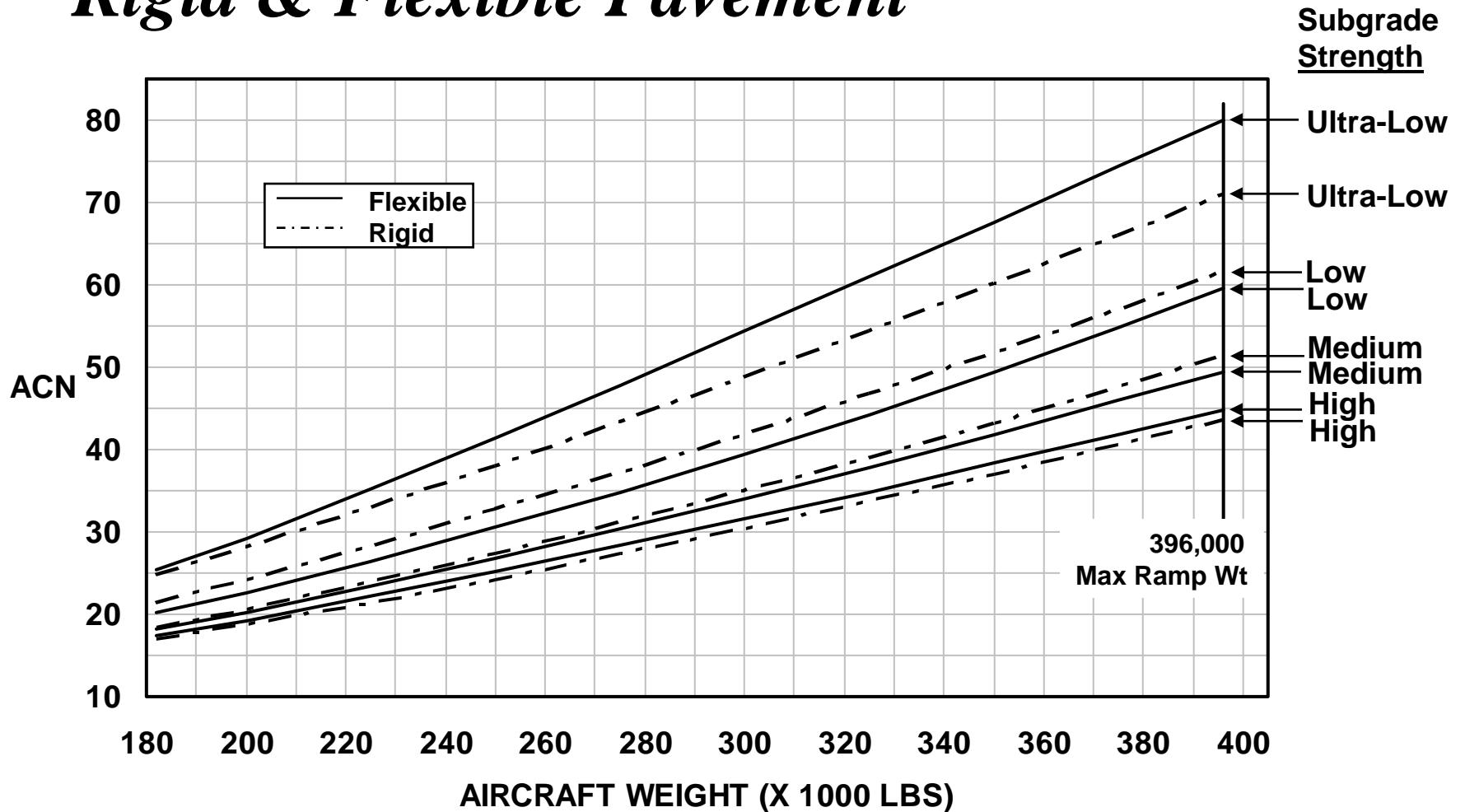


Notes: 91.45% wt on MLG  
 190 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



# 767-200ER Aircraft Classification Number

## Rigid & Flexible Pavement

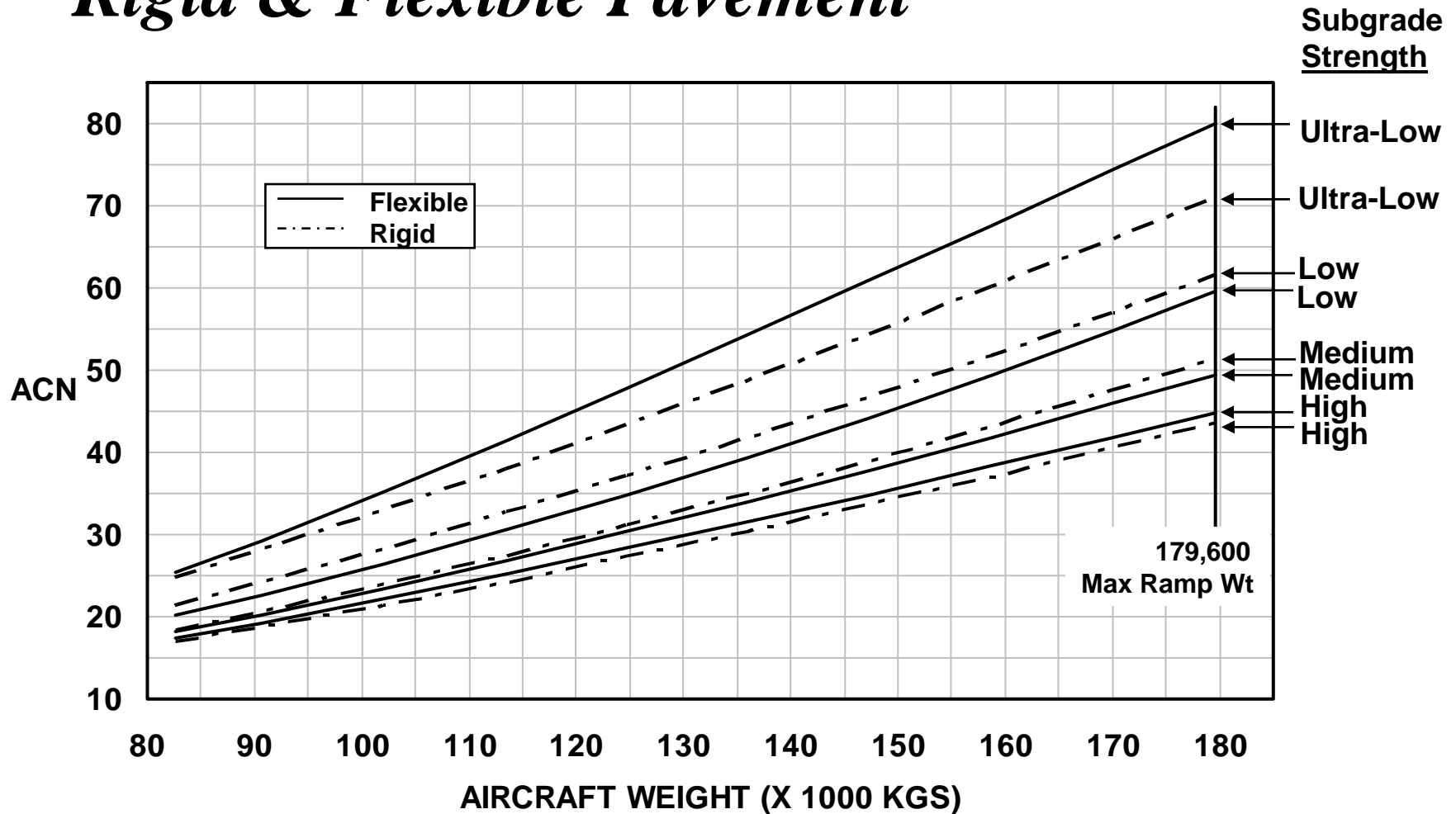


Notes: 90.8% wt on MLG  
190 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007



# 767-200ER Aircraft Classification Number

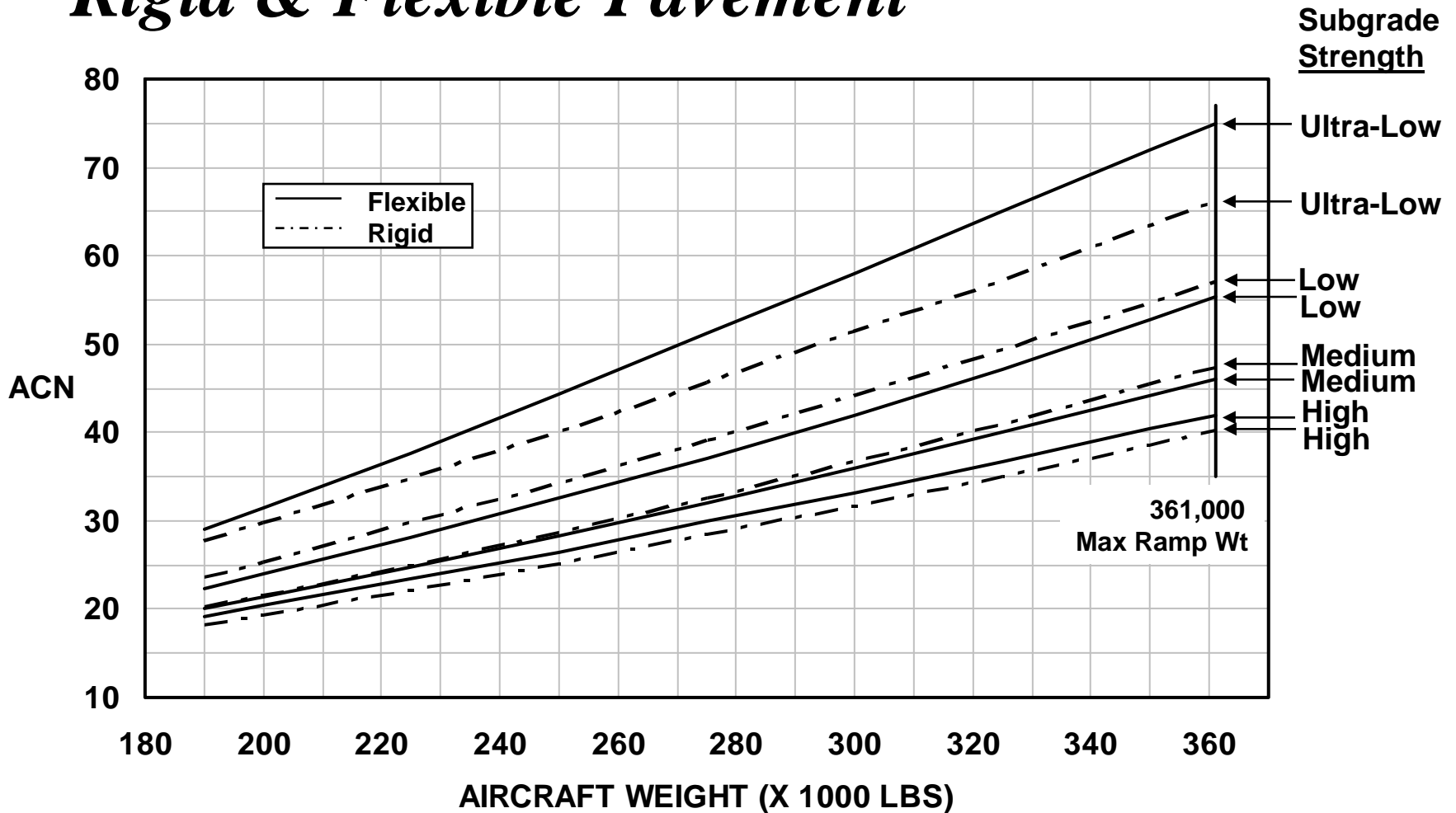
## Rigid & Flexible Pavement



Notes: 90.8% wt on MLG  
190 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# 767-300 Aircraft Classification Number

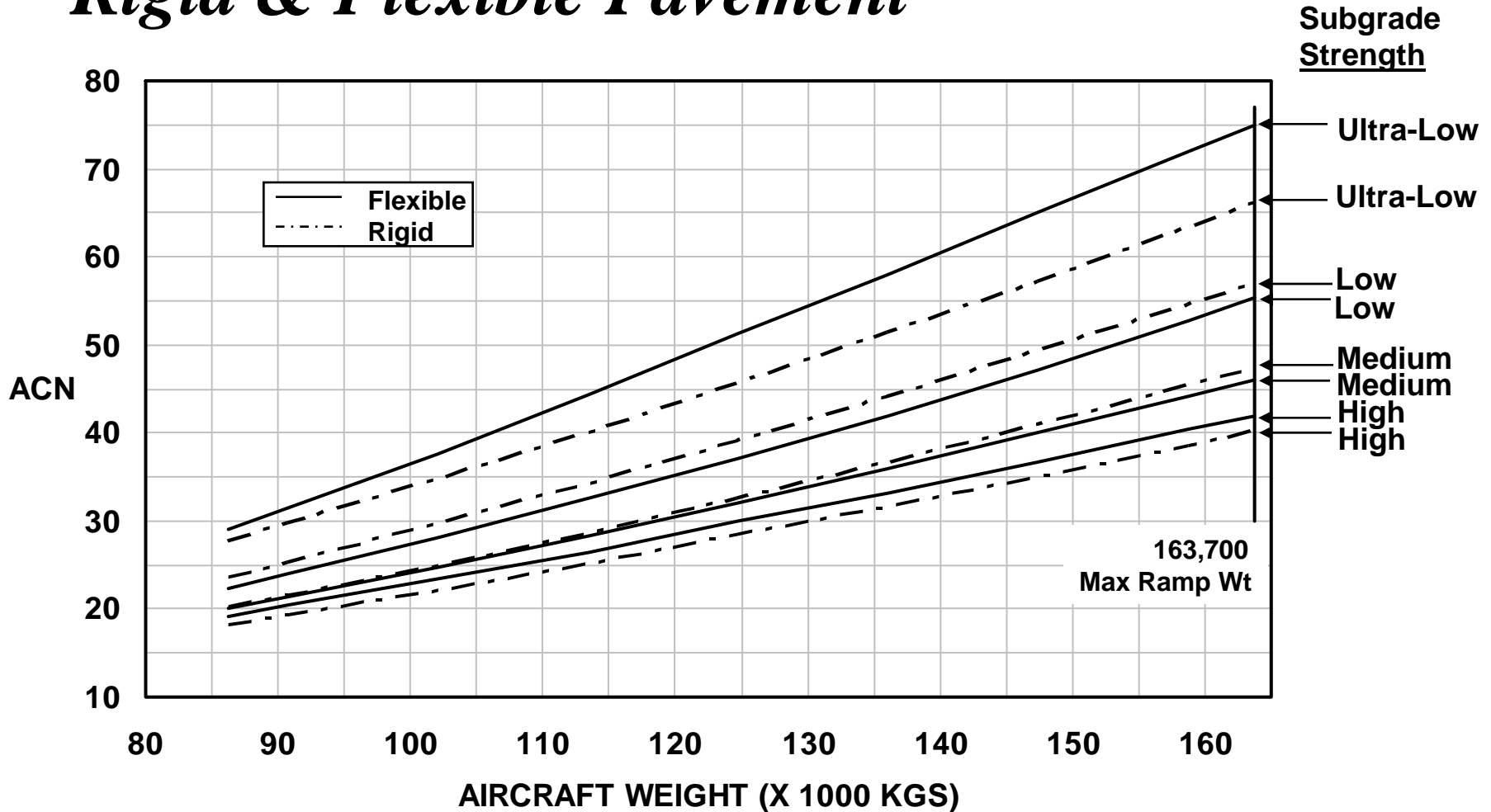
## Rigid & Flexible Pavement



Notes: 94.94% wt on MLG  
 182 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 767-300 Aircraft Classification Number

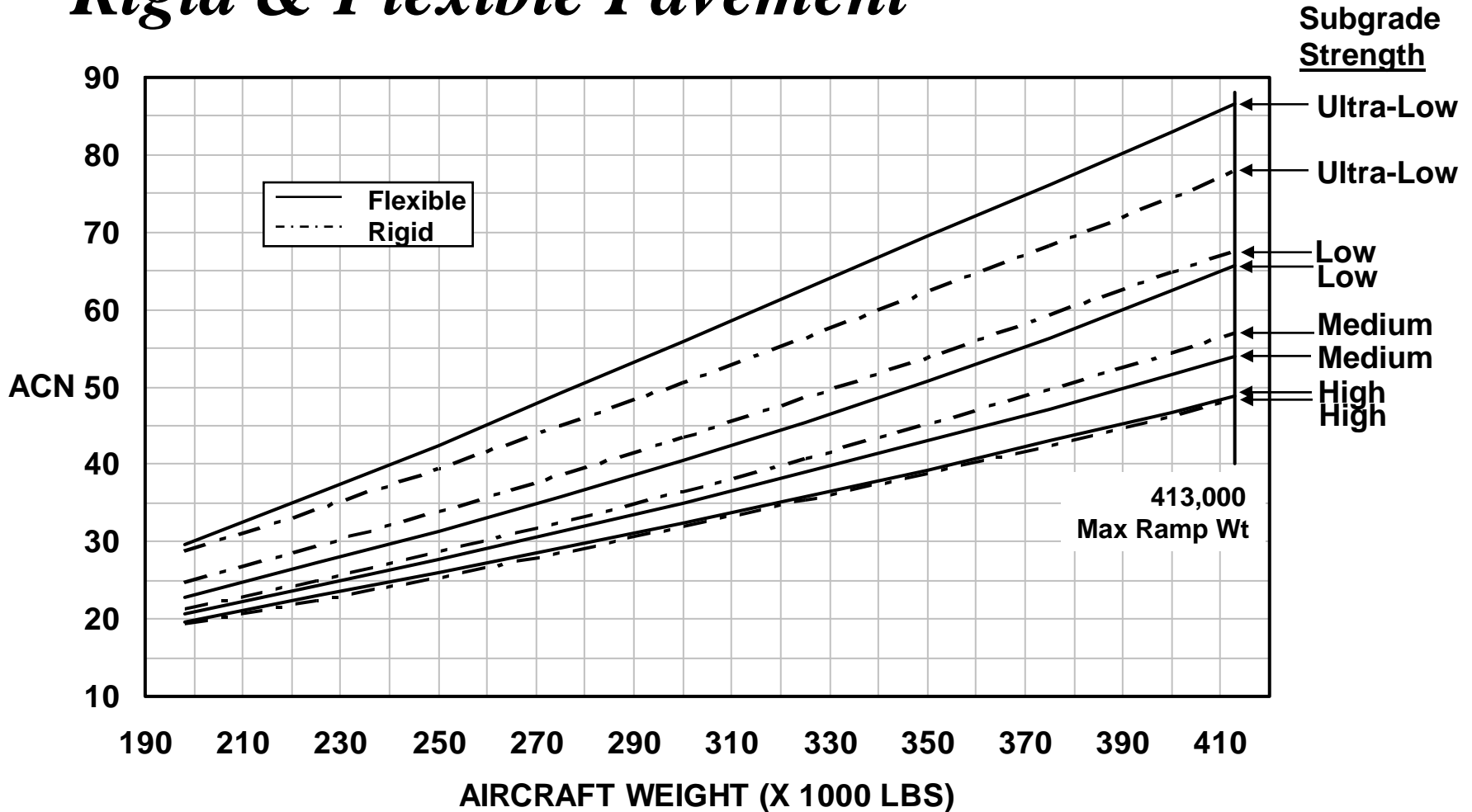
## Rigid & Flexible Pavement



Notes: 94.94% wt on MLG  
 182 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 767-300ER Aircraft Classification Number

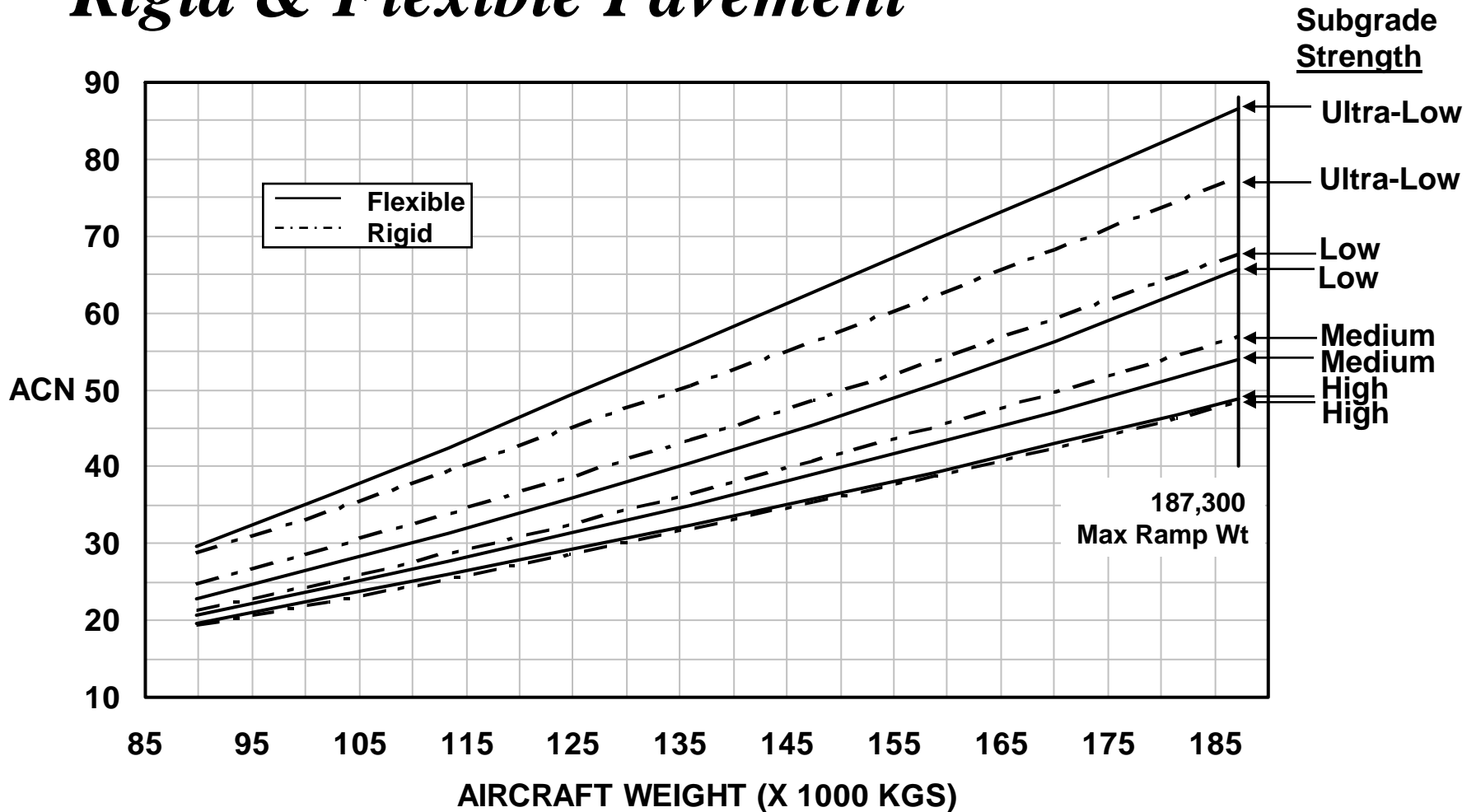
## Rigid & Flexible Pavement



Notes: 92.40% wt on MLG  
 200 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# 767-300ER Aircraft Classification Number

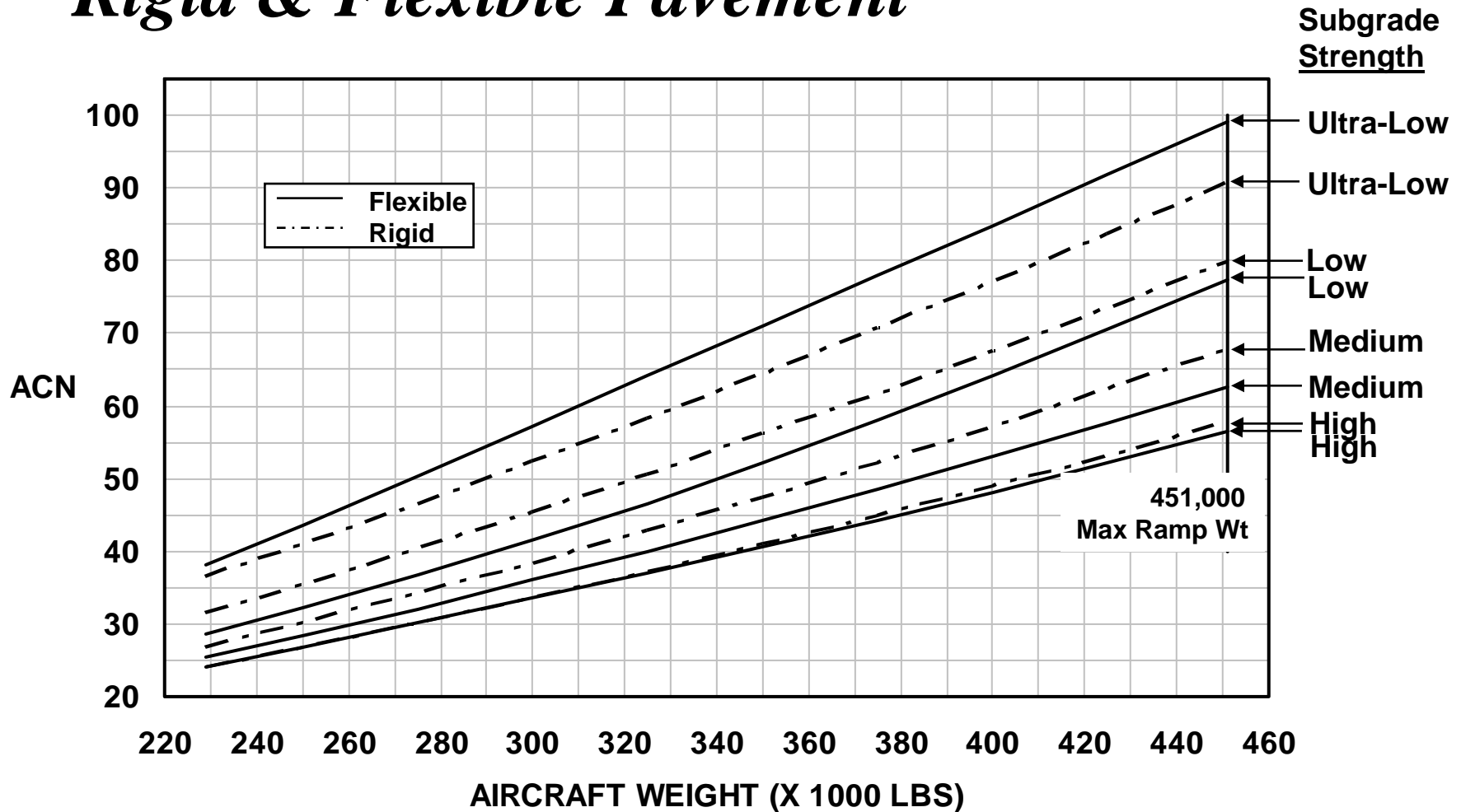
## Rigid & Flexible Pavement



Notes: 92.40% wt on MLG  
 200 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007



# 767-400ER Aircraft Classification Number Rigid & Flexible Pavement

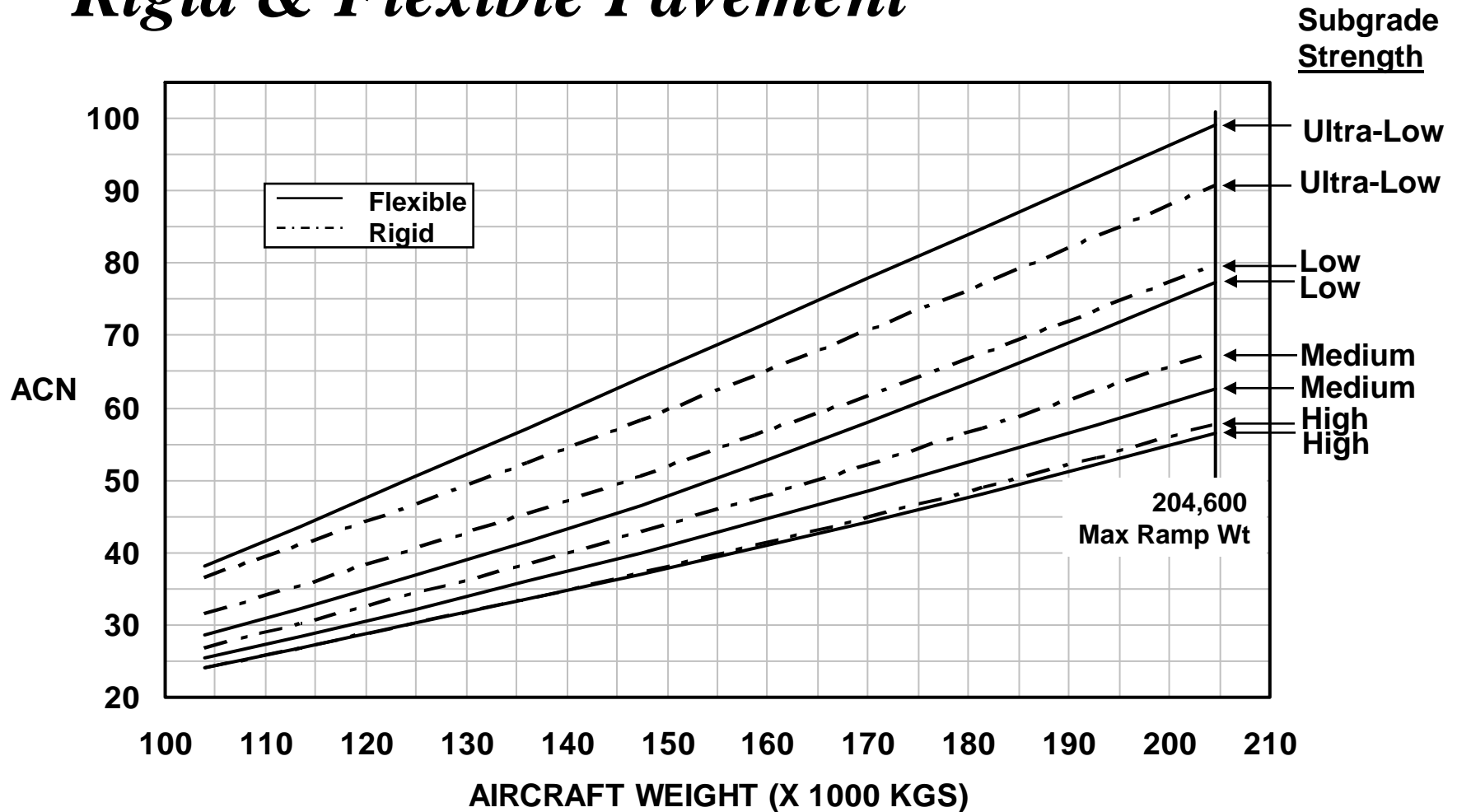


Notes: 93.90% wt on MLG  
218 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007



# 767-400ER Aircraft Classification Number

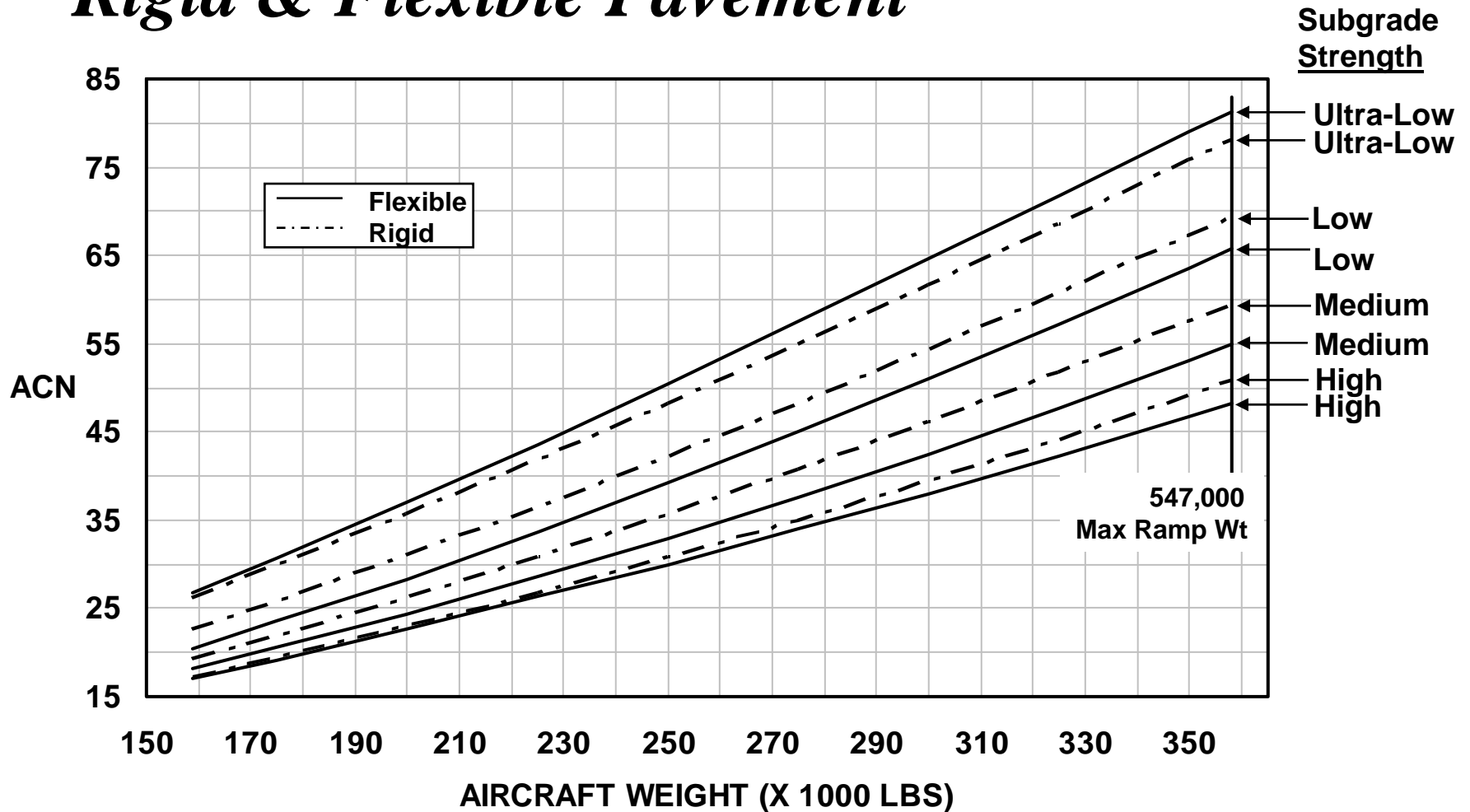
## Rigid & Flexible Pavement



Notes: 93.90% wt on MLG  
218 PSI Main Gear Tire Pressure  
Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
Air Navigation Commission / October 2007

# DC-8-63 Aircraft Classification Number

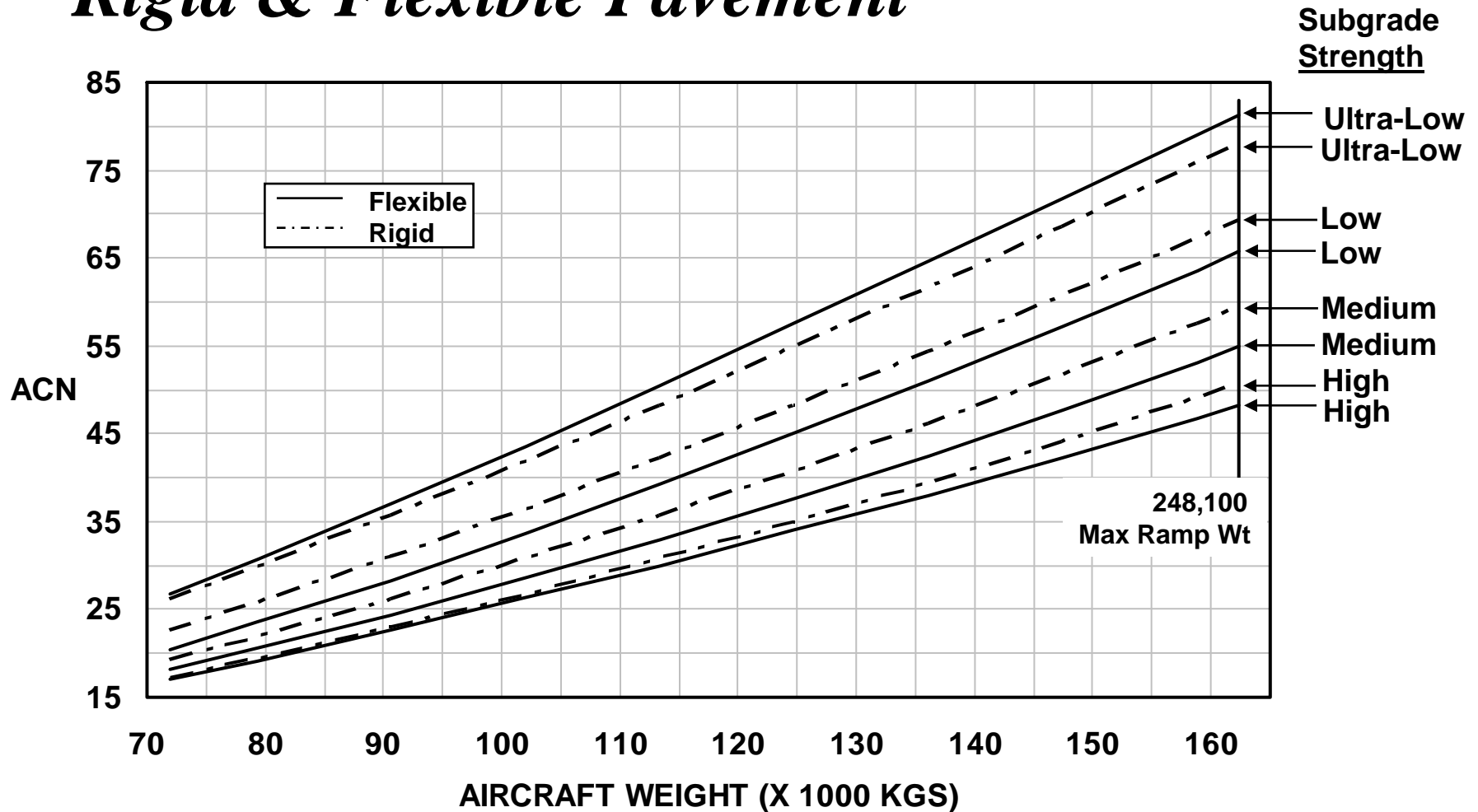
## Rigid & Flexible Pavement



Notes: 93.70% wt on MLG  
 182 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# DC-8-63 Aircraft Classification Number

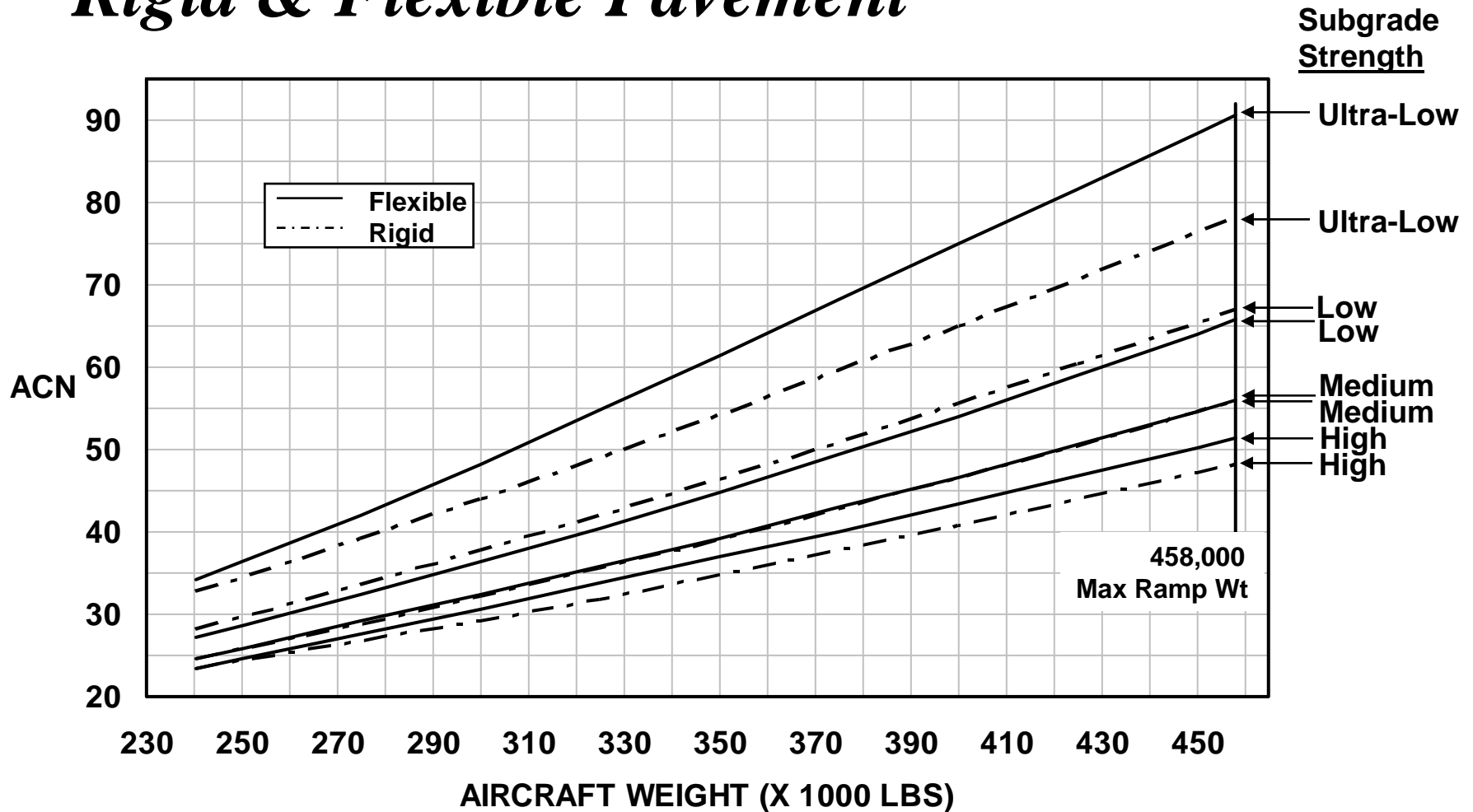
## Rigid & Flexible Pavement



Notes: 93.70% wt on MLG  
 182 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# DC-10-10 Aircraft Classification Number

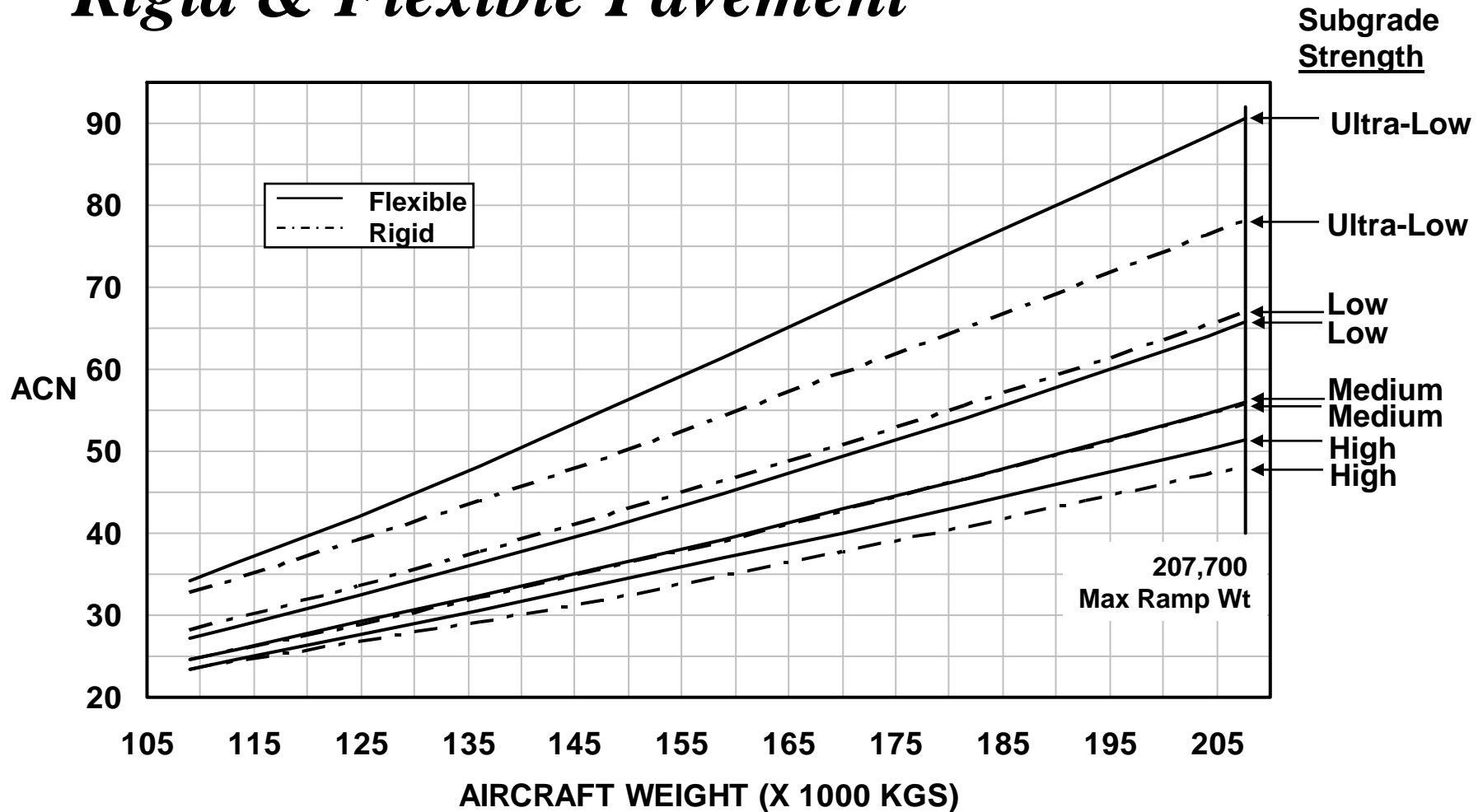
## Rigid & Flexible Pavement



Notes: 93.31% wt on MLG  
 195 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# DC-10-10 Aircraft Classification Number

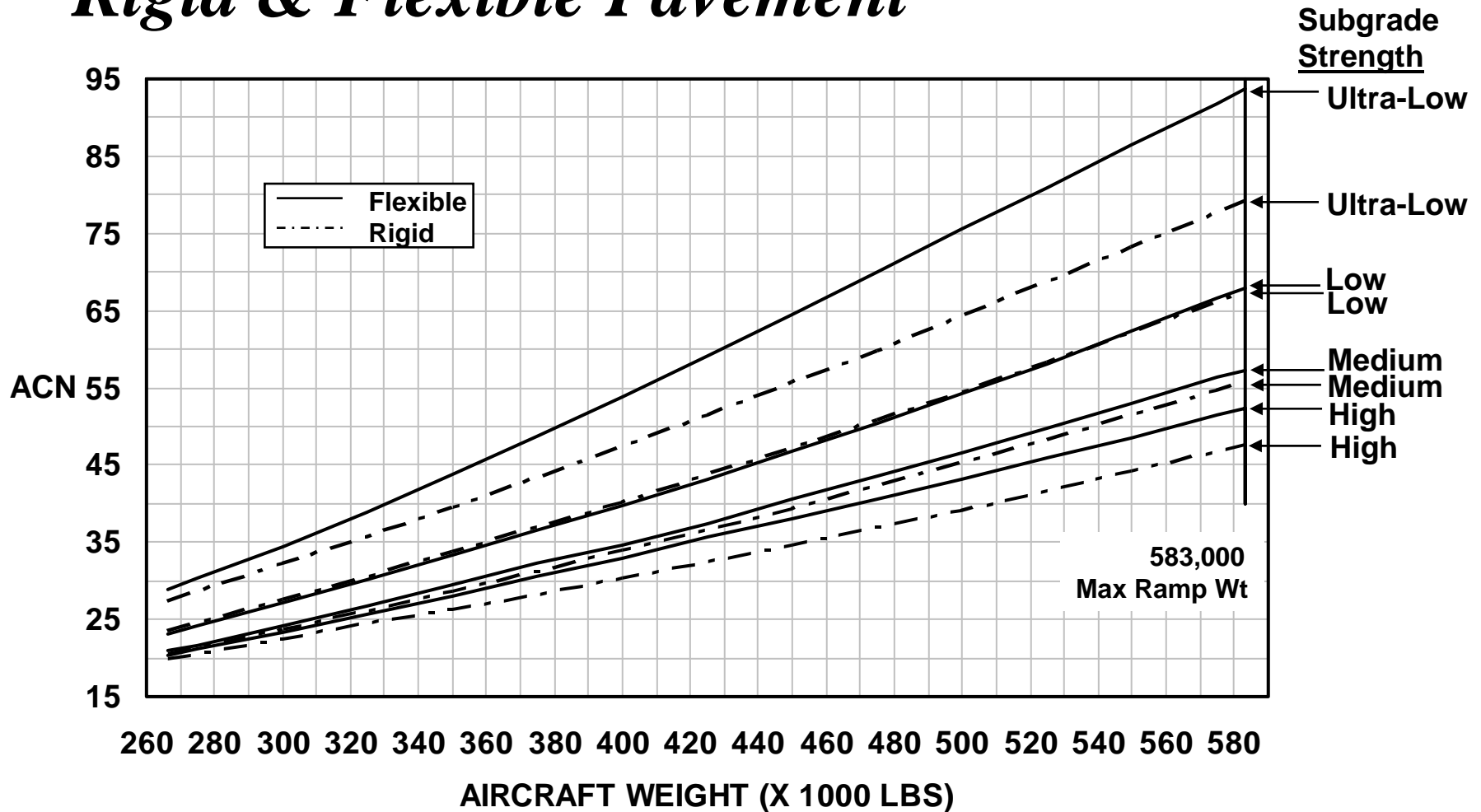
## Rigid & Flexible Pavement



Notes: 93.31% wt on MLG  
 195 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# DC-10-30 Aircraft Classification Number

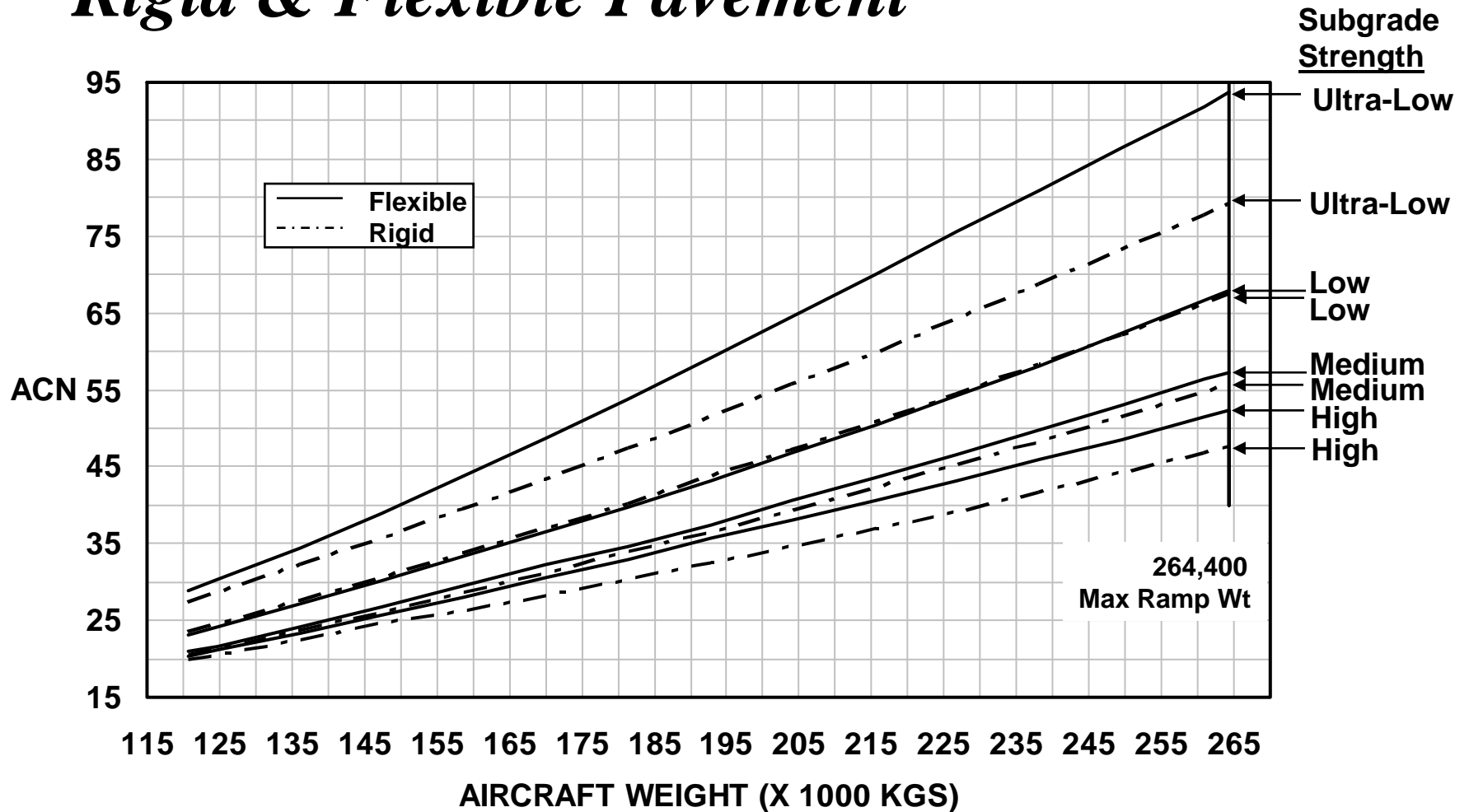
## Rigid & Flexible Pavement



Notes: 75.05% wt on Wing Gear Only  
 177 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# DC-10-30 Aircraft Classification Number

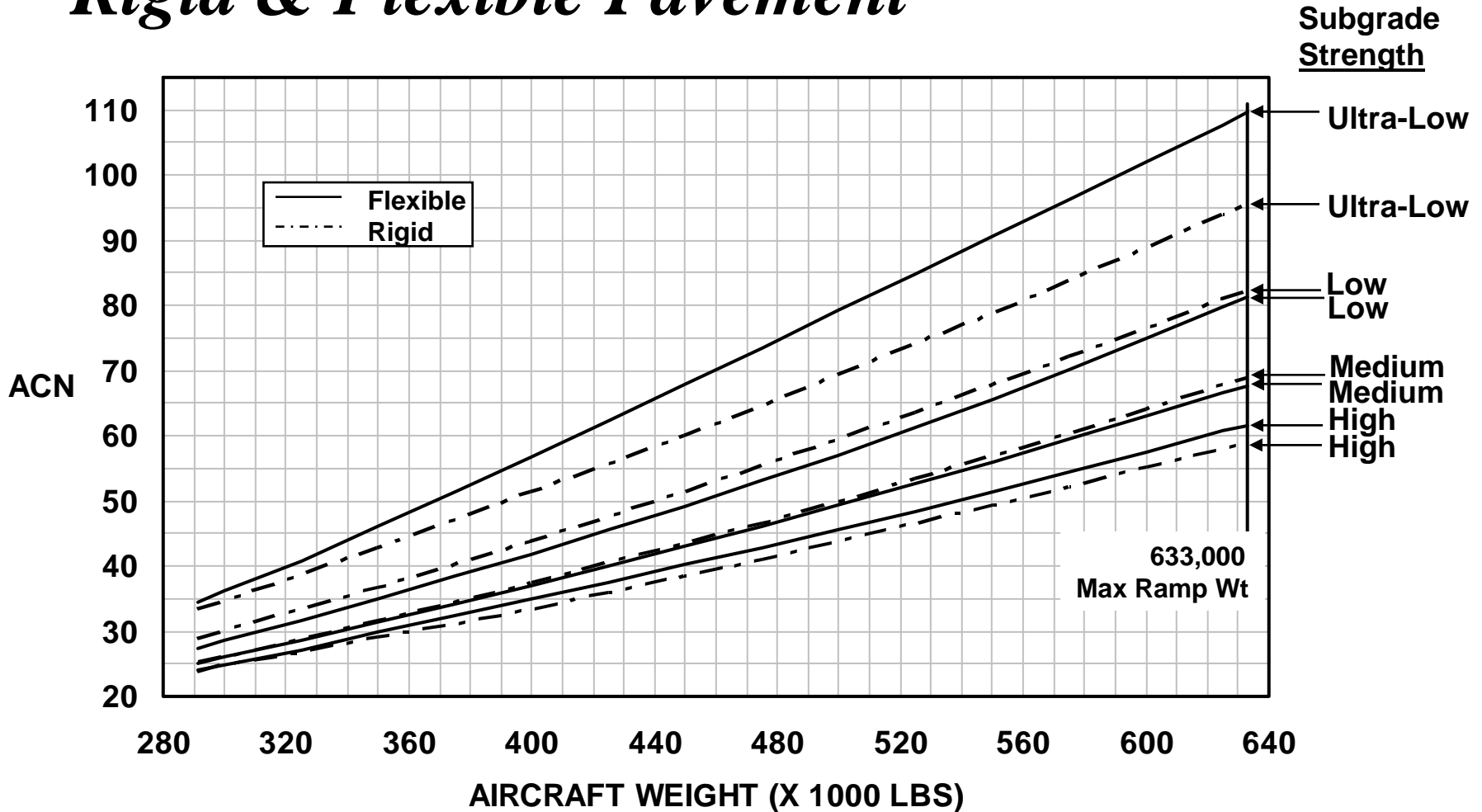
## Rigid & Flexible Pavement



Notes: 75.05% wt on Wing Gear only  
 177 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# MD-11ER Aircraft Classification Number

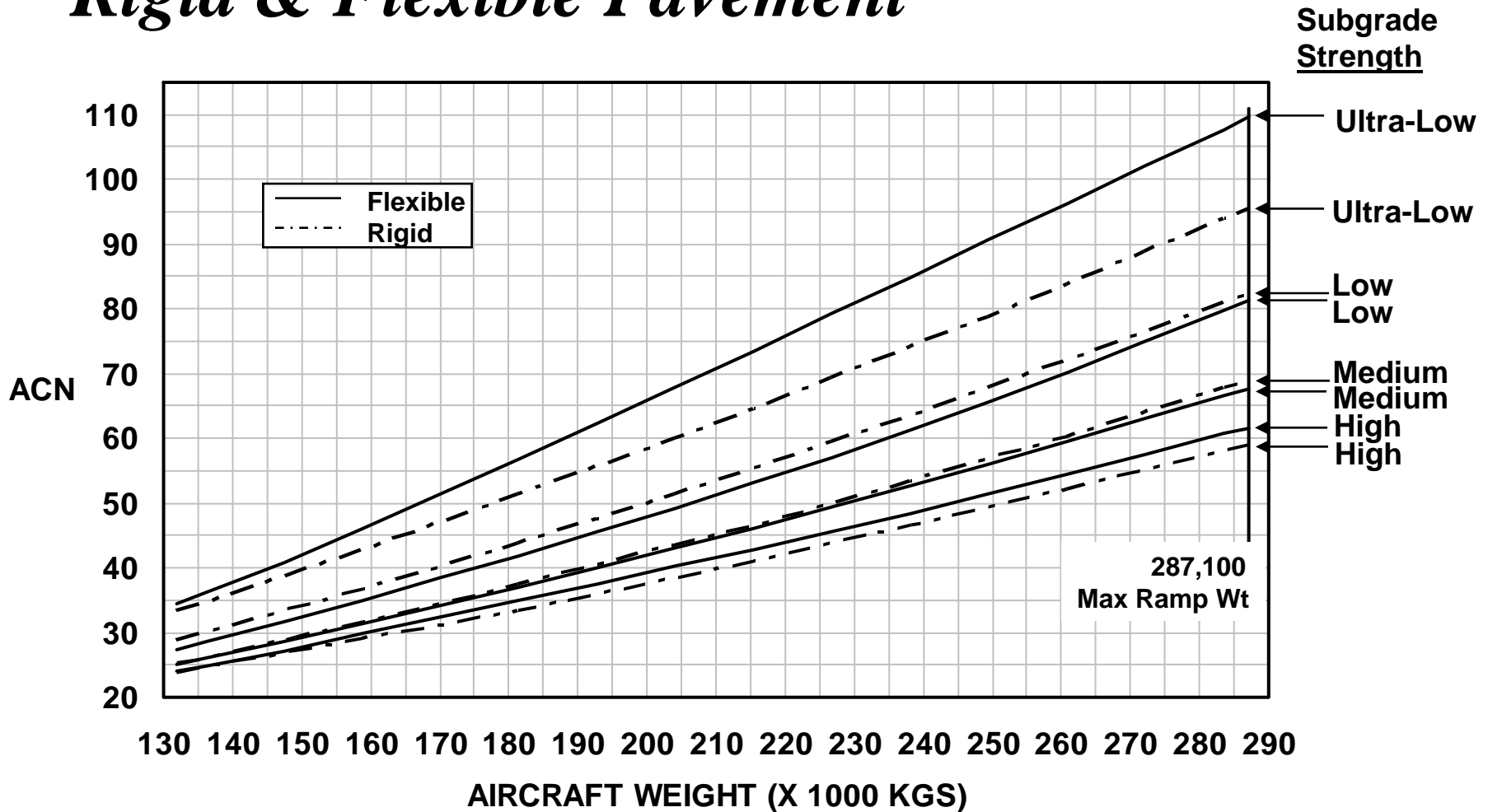
## Rigid & Flexible Pavement



Notes: 77.54% wt on Wing Gear Only  
 206 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007

# MD-11ER Aircraft Classification Number

## Rigid & Flexible Pavement



Notes: 77.54% wt on Wing Gear only  
 206 PSI Main Gear Tire Pressure  
 Flexible ACNs use reduced four-wheel alpha factor (0.80) approved by the ICAO  
 Air Navigation Commission / October 2007