

**Material Data Sheet: NYLON 11**

Properties: Material for aerospace, gas tanks, and ducts.

Typical Properties: **Mechanical Properties**

PROPERTIES	ASTM	UNITS	
Color/appearance			visual white
Hardness, Shore D			75D
Density		lb/in. ³	0.0376
Elongation @ Break	D638	%	12.0-45
Flexural Modulus	D790	psi	126,000
Heat Deflection Temp @264 @66	D648	°F	111-131 302-325
Izod Impact Strength (method A, notched)	D256	ft-ib/in	1.30
Impact Strength (Un- Notched Izod)	D256	ft-lb/in	26
Tensile Modulus	D638	psi	202,000-275,000
Tensile Strength	D638	psi	5,950-7,600
Surface Finish Ra			350-500
Volume Resistivity (22°C, 50%RH, 500V)	D257	Ohm-cm	93-1.00E+15