

Nylon 11 B

Material for aerospace, gas tanks and ducts.

General Properties			
Color / appearance		black	
Density	ASTM D792	0.0376	lb/in ³
Mechanical Properties			
Tensile modulus	ASTM D638	202,000 - 275,000	psi
Tensile strength	ASTM D638	5,950 - 7,600	psi
Elongation at break	ASTM D638	12.0 - 4.5	%
Flexural modulus	ASTM D790	126,000	psi
Izod impact strength (method A, notched)	ASTM D256	1.30	ft-lb/in
Impact strength (unnotched)	ASTM D256	26	ft-lb/in
Hardness, shore D	-	75D	-
Surface finish ra	-	350 - 500	-
Volume resistivity (22 °C, 50 % RH, 500V)	ASTM D257	93 - 1.00E + 15	Ω-cm
Thermal Properties			
Heat deflection temperature (HDT) @ 264 @66	ASTM D648	111 - 131 302 - 325	°F °F

** The mechanical properties depend on the exposure parameters used. The data are based on our latest knowledge and are subject to changes without notice. They do not guarantee properties for a particular part and in a particular application.*