

Ashley Polymers Ashlene® 827B Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

High impact, black, economy grade. Also available as: 827SB - Heat Stabilized, Black and 827SH - Heat Stabilized & UV Stabilized for Weatherability, Black. Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-827B-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792
Water Absorption	1.5 %	1.5 %	ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
Izod Impact, Notched	7.48 J/cm	14.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	216 °C	421 °F	ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C	120 °F	ASTM D648

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