

Ashley Polymers Ashlene® 520S-13GU Nylon 66, 13% Glass Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled

Material Notes:

Nylon 66, 13% Glass reinforced resin with heat stabilizer, utility grade. Also available in black (520S-13GBU).Data provided by the manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ashley-Polymers-Ashlene-520S-13GU-Nylon-66-13-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792
Water Absorption	0.90 %	0.90 %	ASTM D570
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	83.0 MPa	12000 psi	ATSM D638
Elongation at Break	4.0 %	4.0 %	
Flexural Modulus	4.10 GPa	595 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	252 °C	486 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	236 °C	457 °F	ASTM D648

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