

Asahi Kasei Leona® 90G33 33% Glass Filled Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Enhanced strength and stiffness; with 33% GF. Superior fluidity and appearance. Applications: Automotive parts Information provided by Asahi Kasei

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asahi-Kasei-Leona-90G33-33-Glass-Filled-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	Dry; ASTM D792
Water Absorption	1.4 %	1.4 %	Wet
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Dry; ASTM D2863
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	Dry; ASTM D2863

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	Dry; ASTM D785
Hardness, Rockwell R	120	120	Dry; ASTM D785
Tensile Strength, Yield	157 MPa	22800 psi	Wet; ASTM D638
	194 MPa	28100 psi	Dry; ASTM D638
Elongation at Break	3.0 %	3.0 %	Dry; ASTM D638
	4.0 %	4.0 %	Wet; ASTM D638
Flexural Strength	245 MPa	35500 psi	Wet; ASTM D790
	294 MPa	42600 psi	Dry; ASTM D790
Flexural Modulus	7.60 GPa	1100 ksi	Wet; ASTM D790
	9.60 GPa	1390 ksi	Dry; ASTM D790
Izod Impact, Notched	0.980 J/cm	1.84 ft-lb/in	Dry; ASTM D256
	1.18 J/cm	2.21 ft-lb/in	Wet; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 µm/m-°C	16.7 µin/in-°F	Dry; ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Deflection Temperature at 1.8 MPa (100 psi)	220 °C Metric	428 °F English	Dry: ASTM D648 Comments
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