

## Asahi Kasei Leona® 54G43 43% Glass Filled Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

### Material Notes:

Enhanced strength, stiffness, and impact resistance; with 43% GF. Excellent appearance. Applications: Fans, railroad tie insulators, office furniture Information provided by Asahi Kasei

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Asahi-Kasei-Leona-54G43-43-Glass-Filled-Nylon-66.php](http://www.lookpolymers.com/polymer_Asahi-Kasei-Leona-54G43-43-Glass-Filled-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	Dry; ASTM D792
Water Absorption	1.6 %	1.6 %	Wet
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	Dry; ASTM D2863
Linear Mold Shrinkage, Transverse	0.0070 cm/cm	0.0070 in/in	Dry; ASTM D2863

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	93	93	Dry; ASTM D785
Hardness, Rockwell R	118	118	Dry; ASTM D785
Tensile Strength, Yield	132 MPa	19100 psi	Wet; ASTM D638
	186 MPa	27000 psi	Dry; ASTM D638
Elongation at Break	3.0 %	3.0 %	Dry; ASTM D638
	4.0 %	4.0 %	Wet; ASTM D638
Flexural Strength	177 MPa	25700 psi	Wet; ASTM D790
	304 MPa	44100 psi	Dry; ASTM D790
Flexural Modulus	5.90 GPa	856 ksi	Wet; ASTM D790
	11.0 GPa	1600 ksi	Dry; ASTM D790
Izod Impact, Notched	1.47 J/cm	2.75 ft-lb/in	Dry; ASTM D256
	2.26 J/cm	4.23 ft-lb/in	Wet; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	250 °C	482 °F	Dry; ASTM D648
Deflection Temperature at 1.8 MPa	240 °C	464 °F	Dry; ASTM D648

Thermal Properties <small>(264 psi)</small>	Metric	English	Comments
Flammability, UL94	HB	HB	Dry

## Contact Songhan Plastic Technology Co.,Ltd.

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