

SABIC Innovative Plastics LNP Verton UV00ASXS PPA (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphthalamide (PPA)

Material Notes:

LNP* VERTON* UV00ASXS is a compound based on Polyphthalamide resin containing Long Glass Fiber. This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-Verton-UV00ASXS-PPA-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in ³	ISO 1183
Water Absorption	0.40 %	0.40 %	ISO 62-1
	@Temperature 23.0 °C, Time 86400 sec	@Temperature 73.4 °F, Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0017 cm/cm	0.0017 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Transverse	0.0041 cm/cm	0.0041 in/in	ISO 294
	@Time 86400 sec	@Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	245 MPa	35500 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
	2.7 %	2.7 %	Flexural Strain, 2 mm/min; ISO 178
Tensile Modulus	20.4 GPa	2960 ksi	1 mm/min; ISO 527
Flexural Strength	417 MPa	60500 psi	2 mm/min; ISO 178
Flexural Modulus	17.7 GPa	2570 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	38.0 kJ/m ²	18.1 ft-lb/in ²	80*10*4; ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Unnotched (ISO)	80.0 kJ/m ²	38.1 ft-lb/in ²	80*10*4; ISO 180/1U
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
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Thermal Properties (in psi)	Deflection Temperature at 0.46 MPa	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	277 °C		531 °F	Flatw 80*10*4 sp=64mm; ISO 75/Bf

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