

LNP™ VERTON™ UV00ASXS compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP VERTON UV00ASXS is a compound based on Polyphthalamide resin containing Long Glass Fiber.

Also known as: LNP* VERTON* Compound UF70010

Product reorder name: UV00ASXS

General Information			
Filler / Reinforcement	Long Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.63	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.41	%	
Flow : 24 hr	0.17	%	
Water Absorption (23°C, 24 hr)	0.40	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	20400	MPa	ISO 527-2/1
Tensile Stress (Break)	245	MPa	ISO 527-2/5
Tensile Strain (Break)	1.9	%	ISO 527-2/5
Flexural Modulus ¹	17700	MPa	ISO 178
Flexural Stress	417	MPa	ISO 178
Flexural Strain at Break ²	2.7	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	38	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵			
0.45 MPa, Unannealed, 64.0 mm Span	297	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	277	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	316 to 327	°C	
Middle Temperature	321 to 332	°C	
Front Temperature	332 to 343	°C	
Processing (Melt) Temp	316 to 332	°C	
Mold Temperature	138 to 166	°C	

Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	2.0 mm/min	
2.	2 mm/min	
3.	80*10*4	
4.	80*10*4	
5.	80*10*4 mm	

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