

LNP™ THERMOCOMP™ UF0033 compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP* THERMOCOMP* UF0033 is a compound based on Polyphthalamide resin containing Glass Fiber, Flame Retardant. Added features of this material include: Flame Retardant, Non-Brominated & Non-Chlorinated Flame Retardant.
Also known as: LNP* THERMOCOMP* Compound UF1003Z230
Reorder name: UF0033

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹	0.10 to 0.30	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	125	MPa	ISO 527-2/5
Tensile Strain (Break)	1.0 to 2.0	%	ISO 527-2/5
Flexural Modulus ²	9900	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ³ (23°C)	3.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ⁴ (23°C)	20	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁵ (1.8 MPa, Unannealed, 64.0 mm Span)	> 200	°C	ISO 75-2/Af
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12
NOTE			
1.	Tensile Bar		
2.	2.0 mm/min		
3.	80*10*4		
4.	80*10*4		
5.	80*10*4 mm		

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Recommended distributors for this material

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