

LNP™ THERMOCOMP™ UX06028 compound

Polyphthalamide

SABIC Innovative Plastics Europe

Message:

LNP * THERMOCOMP* UX06028 is a compound based on Polyphthalamide resin, containing Glass Fiber. Added features include Mold Release.

Also known as: LNP* THERMOCOMP* Compound UF1008AMR

Product reorder name: UX06028

General Information			
UL YellowCard	E45329-101284057		
Filler / Reinforcement	Glass Fiber		
Additive	Mold Release		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.53	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.14	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ISO 527-2/1
Tensile Stress (Break)	234	MPa	ISO 527-2/5
Tensile Strain (Break)	2.1	%	ISO 527-2/5
Flexural Modulus ¹	12000	MPa	ISO 178
Flexural Stress	315	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	13	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	55	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
CLTE			ISO 11359-2
Flow : 23 to 60°C	2.3E-5	cm/cm/°C	
Transverse : 23 to 60°C	5.3E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 to 321	°C	
Middle Temperature	316 to 327	°C	
Front Temperature	327 to 338	°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.	80*10*4
3.	80*10*4

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