

Rilsamid® AZM 30 GT8LD

Polyamide 12

Arkema

Message:

AZM 30 GT8LD

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (235°C/5.0 kg)	10.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	81		
Shore D, 15 sec	77		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7600	MPa	ISO 527-2
Tensile Stress (Break)	138	MPa	ISO 527-2
Tensile Strain (Break)	6.0	%	ISO 527-2
Flexural Modulus	6000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	13	kJ/m ²	
23°C	18	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	85	kJ/m ²	
23°C	81	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	180	°C	ISO 11357-3
Additional Information	Nominal Value		Test Method
ISO Shortname	PA12, MHLR, 18-080, GF 30+ CD		ISO 1874
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 8.0	hr	
Processing (Melt) Temp	250 to 280	°C	
Mold Temperature	40.0 to 90.0	°C	

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