

Ultramid® B35G3 SI BK23216

Polyamide 6

BASF Corporation

Message:

Glass fibre reinforced injection molding grade with medium viscosity and improved surface.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Medium Viscosity		
	Oil Resistant		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Apparent Density	0.70	g/cm ³	
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	35.0	cm ³ /10min	ISO 1133
Viscosity Number (96% H2SO4 (Sulphuric Acid))	165	cm ³ /g	ISO 307
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5400	MPa	ISO 527-2
Tensile Stress (Break)	118	MPa	ISO 527-2
Tensile Strain (Break)	4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	49	kJ/m ²	
23°C	50	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Melting Temperature	220	°C	ISO 11357-3
Additional Information	Nominal Value		
Polymer Abbreviation	PA6-GF15		
Injection	Nominal Value	Unit	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	80.0 to 90.0	°C	

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