

TECHNYL® eXten D 238 V30 BLACK

Polyamide 610
Solvay Engineering Plastics

Message:

Product in development - provisional datasheet

TECHNYL® eXten D 238 V30 is a PA6,10 30% glass fibre reinforced and impact modified suitable for injection moulding.

TECHNYL® eXten D 238 V30 is based on a partially bio-sourced polyamide 6,10

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Impact Modifier		
Features		Good Chemical Resistance		
		Good Moldability		
		Impact Modified		
		Low to No Water Absorption		
Appearance		Black		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA6.10-GF30<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.25	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	7400	5200	MPa	ISO 527-2/1A
Tensile Stress (Break)	120	90.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	5.0	8.0	%	ISO 527-2/1A
Flexural Modulus	6800	5300	MPa	ISO 178
Flexural Stress	199	155	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
--	27	31	kJ/m ²	
-30°C	15	18	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
--	90	--	kJ/m ²	
-30°C	100	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)				
	190	--	°C	ISO 75-2/Af
Melting Temperature	215	--	°C	ISO 11357-3
Flammability	Dry	Conditioned		Test Method

Flame Rating			UL 94
0.800 mm	HB	--	
1.60 mm	HB	--	
3.20 mm	HB	--	
Injection	Dry	Unit	
Drying Temperature	80.0		°C
Suggested Max Moisture	0.20		%
Rear Temperature	225 to 230		°C
Middle Temperature	230 to 240		°C
Front Temperature	240 to 250		°C
Mold Temperature	80.0 to 100		°C

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