

TECHNYL® eXten D 218 V30 BLACK

Polyamide 610
Solvay Engineering Plastics

Message:
Product in development - provisional datasheet.
TECHNYL® eXten D 218 V30 is a 30% Glass Fibre reinforced and heat stabilised product suitable to the manufacturing of all injection moulded parts.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
Features		Good Chemical Resistance		
		Good Moldability		
		Heat Stabilized		
		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	1.30	--	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8500	6100	MPa	ISO 527-2/1A
Tensile Stress (Break)	152	112	MPa	ISO 527-2/1A
Tensile Strain (Break)	4.5	7.5	%	ISO 527-2/1A
Flexural Modulus	8000	6100	MPa	ISO 178
Flexural Stress	250	193	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
--	14	17	kJ/m ²	
-30°C	10	11	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
--	90	--	kJ/m ²	
-30°C	85	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)				
	195	--	°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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