

TECHNYL® C 246SI V30 NATURAL

Polyamide 6
Solvay Engineering Plastics

Message:
Polyamide 6, reinforced with 30 % of glass fibre, with high impact resistance, for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		High Impact Resistance		
Appearance		Black		
		Natural Color		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA6-GF30<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183/A
Molding Shrinkage				
Across Flow	0.84	--	%	ISO 294-4
Across Flow	0.46	--	%	Internal Method
Flow	0.39	--	%	Internal Method
Flow	0.33	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.88	--	%	ISO 62
Molding Shrinkage Isotropy	0.840	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8300	4900	MPa	ISO 527-2/1A
Tensile Stress (Break)	140	90.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	4.5	10	%	ISO 527-2/1A
Flexural Modulus	7220	--	MPa	ISO 178
Flexural Stress	220	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
--	23	36	kJ/m ²	
-30°C	15	15	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
--	92	--	kJ/m ²	
-30°C	100	100	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method

Melting Temperature	222	--	°C	ISO 11357-3
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	250 to 280		°C	
Middle Temperature	250 to 280		°C	
Front Temperature	260 to 290		°C	
Mold Temperature	70.0 to 90.0		°C	

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