

SCHULAMID® XT 200 GF 35 BLACK 96.8001

Polyamide 66
A. Schulman Europe

Message:
35% glass fiber reinforced Polyamide 66 for high temperature applications

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.42	1.42	g/cm ³	ISO 1183/A
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	15000	8000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	210	140	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	7.8	%	ISO 527-2/1A/5
Flexural Modulus	12700	--	MPa	ISO 178
Flexural Stress ¹				ISO 178
3.5% strain	350	--	MPa	ISO 178
3.6% strain ²	350	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				
-30°C	10	--	kJ/m ²	ISO 179/1eC
23°C	13	18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				
				ISO 179/1eU
-30°C	70	--	kJ/m ²	ISO 179/1eU
23°C	90 kJ/m ²	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	237	--	°C	ISO 75-2/B
1.8 MPa, not annealed	212	--	°C	ISO 75-2/A
Additional Information				
干燥 1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications				
Injection	Dry	Unit		
Drying Temperature	80	°C		
Drying Time	3.0 - 4.0	hr		
Suggested Max Moisture	0.040 - 0.10	%		

Suggested Max Regrind	10	%
Processing (Melt) Temp	270 - 290	°C
Mold Temperature	80 - 120	°C

NOTE		
1.	2.0 mm/min	
2.	at Break	

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Recommended distributors for this material

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