

Sanfor® GF/35 NATURALE

Styrene Acrylonitrile

SO.F.TER. SPA

Message:

Styrene Acrylonitrile Copolymer, 35% glass fiber reinforced grade, excellent stiffness and dimensional stability

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Features	Copolymer		
	Good Dimensional Stability		
	Good Stiffness		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage	0.15	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	110	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	9500	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525 ¹
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Rear Temperature	240	°C	
Middle Temperature	260	°C	
Front Temperature	270	°C	

Mold Temperature	60.0 to 80.0	°C
NOTE		
1.	Rate A (50°C/h), Loading 2 (50 N)	

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