

SCHULADUR® HT GF 30 FR 5 black

Polycyclohexylenedimethylene Terephthalate

A. Schulman Europe

Message:

30% glass fiber reinforced, flame retardant PCT

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.72	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (300°C/2.16 kg)	25.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11900	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	100	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.2	%	ISO 527-2/1A/5
Flexural Modulus ¹	7750	MPa	ISO 178
Flexural Stress (1.6% strain)	142	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	> 250	°C	ISO 75-2/Bf
1.8 MPa, not annealed	240	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	> 250	°C	ISO 306/A50
--	215	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.8 mm	V-0		IEC 60695-11-10, -20
1.6 mm	V-0		IEC 60695-11-10, -20
3.2 mm	V-0		IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
0.75 mm	960	°C	IEC 60695-2-12
1.5 mm	960	°C	IEC 60695-2-12
3.0 mm	960	°C	IEC 60695-2-12

Glow Wire Ignition Temperature			IEC 60695-2-13
0.75 mm	875	°C	IEC 60695-2-13
1.5 mm	875	°C	IEC 60695-2-13
3.0 mm	875	°C	IEC 60695-2-13

Additional Information

1.)
Not for use in food contact applications2.)
Not for use in medical or pharmaceutical applications

NOTE

1. 2.0 mm/min

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