

Tekucom SC GF 20 C

Polypropylene
TEKUMA Kunststoff GmbH

Message:

Tekucom SC GF 20 C is a Polypropylene material filled with 20% glass fiber. It is available in Europe. Primary attribute of Tekucom SC GF 20 C: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	75.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4500	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	70	J/m	
0°C, 3.20 mm	90	J/m	
23°C, 3.20 mm	110	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	157	°C	
1.8 MPa, Unannealed	145	°C	
Vicat Softening Temperature			
--	160	°C	ASTM D1525 ¹
--	140	°C	ISO 306/B120
Thermal Conductivity	0.25	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Electric Strength	40 to 80	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.30		IEC 60250
Dissipation Factor	1.0E-3 to 1.5E-3		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.60 mm	HB		
3.20 mm	HB		
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13

NOTE

1. Rate A (50°C/h), Loading 1 (10 N)

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Recommended distributors for this material

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