

SITRADUR GF20 / C94150 (PBT)

Polybutylene Terephthalate

SITRAPLAS GmbH

Message:

SITRADUR GF20 / C94150 (PBT) is a Polybutylene Terephthalate (PBT) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of SITRADUR GF20 / C94150 (PBT) are:

Flame Rated

Weldable

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Laser Weldable		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PBT-GF20<		
Physical	Nominal Value	Unit	Test Method
Density	1.46	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	> 7000	MPa	ISO 527-2/1
Tensile Stress (Break)	> 110	MPa	ISO 527-2/5
Tensile Strain (Break)	> 3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	> 6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	> 35	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	220	°C	ISO 75-2/B
Maximum Operating Temperature	210	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT