

# TechnoGreen PP LGF 20-10-04

Polypropylene

TechnoCompound GmbH

## Message:

TechnoGreen PP LGF 20-10-04 is a polypropylene material containing 20% long glass fibers. This product is available in North America, Europe or Asia Pacific. The main characteristics of TechnoGreen PP LGF 20-10-04 are: impact resistance.

General Information			
Filler / Reinforcement	Long glass fiber, 20% filler by weight		
Features	Ultra-high impact resistance		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm <sup>3</sup>	ISO 1183
shrinkage-Flow <sup>1</sup>	0.40	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Yield)	76.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	2.4	%	ISO 527-2/50
Flexural Modulus <sup>2</sup>	4350	MPa	ISO 178
Flexural Stress <sup>3</sup>	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	13	kJ/m <sup>2</sup>	ISO 179/1eA
23°C	13	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	40	kJ/m <sup>2</sup>	ISO 179/1eU
23°C	42	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	160	°C	ISO 75-2/B
Melting Temperature <sup>4</sup>	165	°C	ISO 11357-3
NOTE			
1.	240°C / WZ 40°C, 600 bar		
2.	2.0 mm/min		
3.	5.0 mm/min		
4.	10°C/min		

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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

