

CELSTRAN® Long Fibre

40% long strand glass fiber reinforced polypropylene, black.

Product information					
Resin Identification		PP-LGF40		ISO 1043	3
Part Marking Code	>	PP-LGF40<		ISO 11469)
Rheological properties					
Moulding shrinkage range, parallel		0.2		ISO 294-4, 2577	
Moulding shrinkage range, normal		0.2 - 0.4	%	ISO 294-4, 2577	1
Typical mechanical properties					
Tensile modulus		9200		ISO 527-1/-2	
Tensile stress at break, 5mm/min			MPa	ISO 527-1/-2	
Tensile strain at break, 5mm/min Flexural modulus		2 9000	% MPa	ISO 527-1/-2 ISO 178	
Flexural strength			MPa	ISO 178	
Charpy impact strength, 23°C			kJ/m ²	ISO 179/1eL	
Charpy impact strength, -30°C			kJ/m ²	ISO 179/1eL	
Charpy notched impact strength, 23°			kJ/m²	ISO 179/1eA	
Charpy notched impact strength, -30 Izod notched impact strength, 23°C			kJ/m² kJ/m²	ISO 179/1eA ISO 180/1A	
Izod impact strength, -40°C			kJ/m ²	ISO 180/12	
Poisson's ratio		0.34 ^[C]			
[C]: Calculated					
Thermal properties					
Temperature of deflection under load	, 1.8 MPa	158	°C	ISO 75-1/-2	2
Flammability					
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Burning Behav. at thickness h Thickness tested			class mm	IEC 60695-11-10 IEC 60695-11-10	
		0			
Physical/Other properties					
Density		1210	kg/m³	ISO 1183	3
Injection					
Back pressure			MPa		
Ejection temperature		117	°C		
Characteristics					
Processing	Injection Moulding				
Delivery form	Pellets				

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Additional information

Processing Notes

Pre-Drying

It is normally not necessary to dry CELSTRAN PP. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required.

Storage

The product can then be stored in standard conditions until processed.

Automotive

OEM	
Ford	

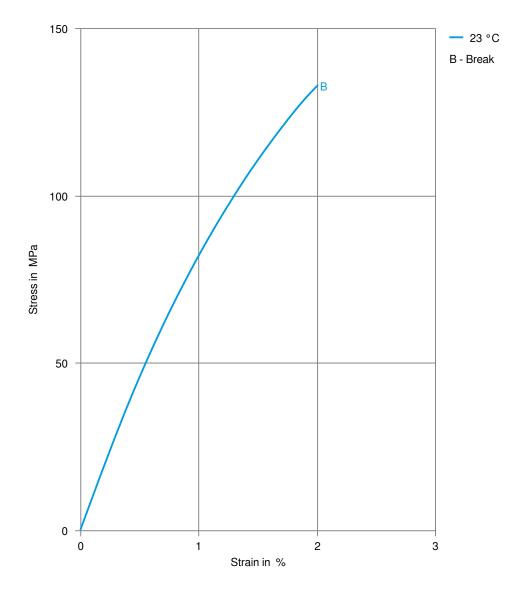
STANDARD WSS-M4D865-B1





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Stress-strain

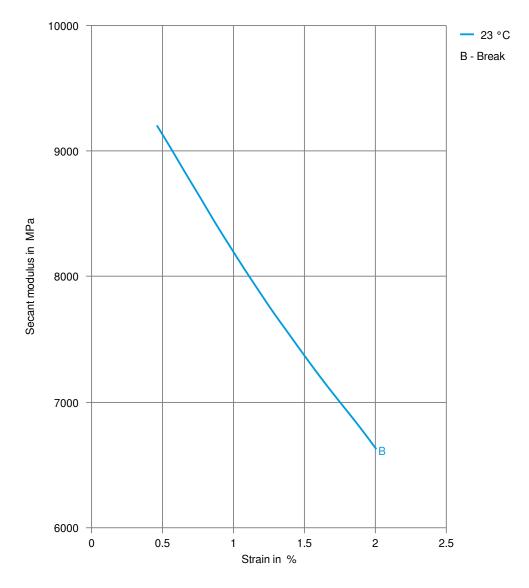






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Secant modulus-strain



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