Polypropylene DLGF9411.00

Experimental Compounded Polypropylene

Trinseo

Message:

DLGF9400.00 is a 40% long glass fiber reinforced grade with good flow properties.
The glass fibres (12 mm length) are coupled to the polypropylene matrix resulting in high stifness and strength.

General Information			
Filler / Reinforcement	Long Glass Fiber,40% Filler by Weight		
Features	Good Flow High Strength		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.22	g/cm³	ASTM D792, ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (Injection Molded)	9000	MPa	ASTM D638, ISO 527-2
Tensile Strength			
Yield, Injection Molded [1]	135	MPa	ASTM D638
Yield, Injection Molded	135	MPa	ISO 527-2/50
Tensile Elongation			
Break, Injection Molded [2]	2.2	%	ASTM D638
Break, Injection Molded	2.2	%	ISO 527-2/50
Flexural Modulus			
Injection Molded [3]	9250	MPa	ASTM D790
Injection Molded [4]	9250	MPa	ISO 178
Flexural Strength (Injection Molded)	200	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (Injection Molded)	35	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (Injection Molded)	55	kJ/m²	ISO 179/1fU
Multi-Axial Instrumented Impact Energy (23°C, 3.00 mm, Injection Molded, Ductile Failure)	15.0	J	ISO 6603-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648, ISO 75-2/A
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	Method I (3 point load)		

4.	3-point load

Recommended distributors for this material

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