

Fortron® ICE 716L

Polyphenylene Sulfide

Celanese Corporation

Message:

FORTRON ICE 716L is a 65% glass/mineral filled material that belongs to our new generation of PPS. This new technology allows you to optimize your molding conditions with faster cycle times for complex shapes or process with low mold temperatures.

General Information			
Filler / Reinforcement	Glass\Mineral,65% Filler by Weight		
Features	Fast Molding Cycle		
Physical	Nominal Value	Unit	Test Method
Density	1.95	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	0.30 to 0.60	%	
Flow	0.20 to 0.50	%	
Water Absorption (Saturation, 23°C)	0.020	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21500	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	160	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.2	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	21000	MPa	ISO 178
Flexural Stress (23°C)	260	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	270	°C	ISO 75-2/A
8.0 MPa, Unannealed	220	°C	ISO 75-2/C
CLTE			ISO 11359-2
Flow	1.4E-5	cm/cm/°C	
Transverse	3.1E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Mold Temperature	90.0 to 160	°C	

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Recommended distributors for this material

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