Fortron® MT9115L0 DW

Celanese Corporation - Polyphenylene Sulfide

Tuesday, November 5, 2019

General Information

Product Description

Fortron® MT9115L0 DW is a 15% fiberglass-reinforced grade of polyphenylene sulfide with high melt strength suitable for blow molding and extrusion applications.

General

Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Europe	• Latin America • North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight	
Features	• Good Melt Strength	
Uses	• Blow Molding Applications	
RoHS Compliance	• Contact Manufacturer	
Processing Method	• Blow Molding	• Extrusion

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm³	ISO 1183
Water Absorption (Saturation, 73°F)	0.020	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1.12E+6	psi	ISO 527-2/1A/1
Tensile Stress (Break)	17400	psi	ISO 527-2/1A/5
Tensile Strain (Break)	2.0	%	ISO 527-2/1A/5
Flexural Modulus (73°F)	1.09E+6	psi	ISO 178
Flexural Stress (73°F)	29000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	2.4	ft·lb/in²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	15	ft·lb/in²	ISO 179/1eU
Notched Izod Impact Strength (73°F)	2.5	ft·lb/in²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (264 psi, Unannealed)	428	°F	ISO 75-2/A
Heat Deflection Temperature (1160 psi, Unannealed)	239	°F	ISO 75-2/C
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	> 1.0E+15	ohms	IEC 60093

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	266 to 284	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.020	%
Hopper Temperature	68 to 86	°F
Rear Temperature	554 to 572	°F
Middle Temperature	590 to 608	°F
Front Temperature	626 to 644	°F
Nozzle Temperature	590 to 626	°F

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Injection	Nominal Value	Unit
Processing (Melt) Temp	626 to 644	°F
Mold Temperature	284 to 320	°F
Injection Pressure	7250 to 14500	psi
Injection Rate	Fast	
Holding Pressure	4350 to 10200	psi
Back Pressure	0.00 to 435	psi

Injection Notes

Manifold Temperature: 330 to 340°C
Zone 4 Temperature: 330 to 340°C
Feed Temperature: 60 to 80°C

Notes

[1] Typical properties: these are not to be construed as specifications.