

Deltron 1150

Polyphenylene Sulfide

Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

Deltron 1150 is a polyphenylene sulfide (PPS) material, which contains filler. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of the Deltron 1150 are:

- flame retardant/rated flame
- Impact resistance

General Information		
Filler / Reinforcement	Filler	
Features	Impact resistance, high	
Processing Method	Injection molding	
Physical	Nominal Value	Unit
Specific Gravity	1.70	g/cm ³
Molding Shrinkage - Flow	0.20 - 0.70	%
Water Absorption (Equilibrium)	0.020	%
Hardness	Nominal Value	Unit
Rockwell Hardness (R-Scale)	120	
Mechanical	Nominal Value	Unit
Tensile Strength	185	MPa
Tensile Elongation (Break)	2.8	%
Flexural Modulus	16000	MPa
Flexural Strength	300	MPa
Compressive Strength	154	MPa
Impact	Nominal Value	Unit
Notched Izod Impact	16.0	kJ/m ²
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (1.8 MPa, Unannealed)	268	°C
Melting Temperature	288	°C
CLTE - Flow	1.3E-5	cm/cm/°C
Electrical	Nominal Value	Unit
Surface Resistivity	2.2E+15	ohms
Volume Resistivity	8.0E+16	ohms · cm
Dielectric Strength	18	kV/mm
Dielectric Constant (1 MHz)	3.00	
Flammability	Nominal Value	Unit
Flame Rating (2.0 mm)	V-0	
Injection	Nominal Value	Unit
Drying Temperature	120 - 140	°C

Drying Time	4.0 - 8.0	hr
Rear Temperature	240 - 260	°C
Middle Temperature	290 - 310	°C
Front Temperature	300 - 330	°C
Mold Temperature	100 - 140	°C
Injection Rate	Moderate	
Back Pressure	60.0 - 80.0	MPa

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