

Deltron 5311

Polyphenylene Sulfide

Shanghai Lin Gen Rubber Materials Co., Ltd.

Message:

Deltron 5311 is a polyphenylene sulfide (PPS) material, which contains carbon fiber reinforcement. This product is available in the Asia-Pacific region and is processed by injection molding. The main characteristics of Deltron 5311 are: flame retardant/rated flame.

General Information		
Filler / Reinforcement	Carbon fiber reinforced material	
Processing Method	Injection molding	
Physical	Nominal Value	Unit
Specific Gravity	1.70	g/cm ³
Molding Shrinkage - Flow	0.20 - 0.50	%
Water Absorption (Equilibrium)	0.020	%
Hardness	Nominal Value	Unit
Rockwell Hardness (R-Scale)	110	
Mechanical	Nominal Value	Unit
Tensile Strength	140	MPa
Tensile Elongation (Break)	1.6	%
Flexural Modulus	17000	MPa
Flexural Strength	210	MPa
Compressive Strength	140	MPa
Impact	Nominal Value	Unit
Notched Izod Impact	8.00	kJ/m ²
Thermal	Nominal Value	Unit
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C
Melting Temperature	285	°C
CLTE - Flow	1.8E-5	cm/cm/°C
Electrical	Nominal Value	Unit
Surface Resistivity	1.0E+6 - 1.0E+10	ohms
Volume Resistivity	1.0E+7 - 1.0E+11	ohms·cm
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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Recommended distributors for this material

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