

Panlite® DN-5915B

TEIJIN LIMITED - Polycarbonate

General Information

Product Description

Mineral filler reinforced, Non-halogen type flame resistant series

General

Filler / Reinforcement	• Mineral		
Properties	• Flame Retardant	• Halogen Free	• High Rigidity
Uses	• Electrical Housing		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Across Flow : 4.00 mm	0.40 to 0.60	%	
Flow : 4.00 mm	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	63.0	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	53.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	10	%	ISO 527-2/5
Flexural Modulus ² (23°C)	4700	MPa	ISO 178
Flexural Stress ² (23°C)	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	82.0	°C	
CLTE - Flow	5.0E-5	cm/cm/°C	ISO 11359-2
CLTE - Transverse	5.0E-5	cm/cm/°C	ISO 11359-2
RTI Elec (0.70 mm)	80.0	°C	UL 746B
RTI Imp (0.70 mm)	80.0	°C	UL 746B
RTI Str (0.70 mm)	80.0	°C	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.70 mm	V-2		
1.0 mm	V-0		

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	80	°C
Drying Time	5.0 to 8.0	hr
Processing (Melt) Temp	250 to 280	°C
Mold Temperature	50 to 70	°C

Notes

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

² 2.0 mm/min