

LONGLITE® PET 9035-104

Polyethylene Terephthalate

CCP Group

Message:

PET 9035-104 is a 35% glass fiber reinforced injection molding grade.

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.58	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (270°C/2.16 kg)	18	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60 to 1.0	%	
Flow	0.10 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	10000	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	135	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.2	%	ISO 527-2
Flexural Modulus (23°C)	10500	MPa	ISO 178
Flexural Stress (23°C)	210	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	245	°C	ISO 75-2/B
1.8 MPa, Unannealed	230	°C	ISO 75-2/A
Melting Temperature	252	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+14	ohms · cm	IEC 60093
Electric Strength (2.00 mm)	23	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 to 140	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	265 to 300	°C	
Mold Temperature	100 to 120	°C	

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Recommended distributors for this material

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