LONGLITE® PET 9035-104

Chang Chun Plastics Co., Ltd. (CCP Group) - *Polyethylene Terephthalate*

General Information

Product Description

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

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 35% Filler by Weight		
Processing Method	• Injection Molding		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.58	g/cm³	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 (73°F)	1.45E+6	psi	ISO 527-1
Tensile Stress (Break, 73°F)	19600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.2	%	ISO 527-2
Flexural Modulus (73°F)	1.52E+6	psi	ISO 178
Flexural Stress (73°F)	30500	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	4.8	ft·lb/in²	ISO 179/1eA
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	473	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	446	°F	ISO 75-2/A
Melting Temperature	486	°F	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 (0.0787 in)	580	V/mil	IEC 60243-1
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	248 to 284	°F
Drying Time	4.0	hr
Processing (Melt) Temp	509 to 572	°F
Mold Temperature	212 to 248	°F