

LONGLITE® PBT 6900-293

Chang Chun Plastics Co., Ltd. (CCP Group) - Polycarbonate + PBT

General Information
Product Description

PC/PBT 6900-293 is unreinforced high impact modified extrusion molding grade.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Antioxidant • Impact Modifier		
Features	• Antioxidant	• High Impact Resistance	• Impact Modified
Forms	• Pellets		
Processing Method	• Extrusion		
Part Marking Code (ISO 11469)	• >(PC+PBT)<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60 to 1.1	%	
Flow	0.60 to 1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8700	psi	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	334000	psi	ISO 178
Flexural Stress	13100	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	26	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	428	°F	ISO 11357-3
CLTE - Flow (-40 to 248°F)	3.9E-5 to 4.4E-5	in/in/°F	ISO 11359-2
CLTE - Transverse (-40 to 248°F)	3.9E-5 to 4.4E-5	in/in/°F	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		Internal Method

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	248	°F
Drying Time	4.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	482 to 536	°F

