Teijin Multilon T-2711 Standard, Automobile Part Series PC/ABS Polymer Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

PC/ABS polymer alloy general grade developed for automobile parts use. It has high heat resistance, impact strength, light resistance and fluidity, particularly, the high impact strength in a wide range from -30 to over 100. Therefore, it is getting good estimation in a plurality of applications as automobile parts. Higher fluidity and thermal stability enable various processings such as, a gas-assist molding, hot-runner molding and compression molding.Applications:Car interior components (cluster, panels etc.)Audio and car-navigation equipment parts etc.Information provided by Teijin Chemicals Ltd.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Teijin-Multilon-T-2711-Standard-Automobile-Part-Series-PCABS-Polymer-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in³	ISO 1183
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm @Thickness 4.00 mm	0.0050 - 0.0070 in/in @Thickness 0.157 in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm @Thickness 4.00 mm	0.0050 - 0.0070 in/in @Thickness 0.157 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	48.0 MPa	6960 psi	50mm/min; ISO 527
Tensile Strength, Yield	56.0 MPa	8120 psi	50mm/min; ISO 527
Elongation at Break	110 %	110 %	50mm/min; ISO 527
Elongation at Yield	3.0 %	3.0 %	50mm/min; ISO 527
Tensile Modulus	2.25 GPa	326 ksi	1mm/min; ISO 527
Flexural Strength	85.0 MPa	12300 psi	2mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2mm/min; ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179
Charpy Impact, Notched	8.00 J/cm²	38.1 ft-lb/in²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	ISO 11359
	80.0 µm/m-°C	44.4 µin/in-°F	

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	@Temperature 20.0 °C	@Temperature 68.0 °F	ISO 11359
Deflection Temperature at 0.46 MPa (66 psi)	124 °C	255 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	104 °C	219 °F	ISO 75
Vicat Softening Point	122 °C	252 °F	50°C/hr, 50N; ISO 306

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	IEC 60093

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