

Chi Mei® PA-737

Product Description: White (Similar to RAL 9003), High Flow, Medium impact
Availability: Africa & Middle East; Europe; Asia Pacific; Latin America; North America
Features: High Flow; Medium Impact Resistance

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ISO 294-4
Melt Flow	30 g/10 min @Load 10.0 kg, Temperature 220 °C	30 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	31.0 MPa	4500 psi	ISO 527-2/50
Tensile Strength, Yield	38.0 MPa	5510 psi	ISO 527-2/50
Elongation at Break	20 %	20 %	ISO 527-2/50
Flexural Strength	59.0 MPa	8560 psi	0.079 in/min; ISO 178
Flexural Modulus	1.90 GPa	276 ksi	0.079 in/min; ISO 178
Izod Impact, Notched (ISO)	18.9 kJ/m ²	9.00 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	1.89 J/cm ²	9.00 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	82.8 µm/m-°C	46.0 µin/in-°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	96.1 °C	205 °F	Annealed; ISO 75-2/A
Vicat Softening Point	97.2 °C	207 °F	ISO 306/B50
	104 °C	219 °F	ISO 306/A50
Flammability, UL94	HB @Thickness 1.52 mm	HB @Thickness 0.0600 in	