

PTS PCA-2008 Flame Retardant PC/ABS Alloy

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

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-PCA-2008-Flame-Retardant-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792
Water Absorption	0.10 %	0.10 %	24 Hr.; ASTM D570
Melt Flow	16 g/10 min @Load 2.20 kg, Temperature 260 °C	16 g/10 min @Load 4.85 lb, Temperature 500 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.2 MPa @Thickness 3.17 mm	8000 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	40 % @Thickness 3.17 mm	40 % @Thickness 0.125 in	ASTM D638
Flexural Strength	89.6 MPa @Thickness 3.17 mm	13000 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	2.55 GPa @Thickness 3.17 mm	370 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	4.27 J/cm @Thickness 3.17 mm	8.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D648
UL RTI, Electrical	60.0 °C	140 °F	
UL RTI, Mechanical with Impact	60.0 °C	140 °F	
UL RTI, Mechanical without Impact	60.0 °C	140 °F	
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	

Thermal Properties	Metric	English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

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