

PTS Trilac® TR558-CL ABS- Transparent ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, Molded

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-Trilac-TR558-CL-ABS-Transparent-ABS.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	25 g/10 min	25 g/10 min	
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	55.2 MPa	8010 psi	ASTM D638
Elongation at Break	35 %	35 %	ASTM D638
Flexural Yield Strength	90.3 MPa	13100 psi	ASTM D790
Flexural Modulus	2.65 GPa	384 ksi	ASTM D790
Izod Impact, Notched	0.910 J/cm	1.70 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 1.59 mm	@Thickness 0.0625 in	
	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Optical Properties	Metric	English	Comments
Transmission, Visible	85 %	85 %	Transparent, but thickness unknown

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