

PTS Trilac® ABS-HS7500 High Impact ABS Resin

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, 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-ABS-HS7500-High-Impact-ABS-Resin.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Melt Flow	18 g/10 min	18 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	110	110	ASTM D785
Tensile Strength, Yield	44.1 MPa	6400 psi	ASTM D638
Flexural Yield Strength	63.4 MPa	9200 psi	ASTM D790
Flexural Modulus	2.15 GPa	312 ksi	ASTM D790
Izod Impact, Notched	3.31 J/cm	6.20 ft-lb/in	ASTM D256
	@Thickness 6.35 mm	@Thickness 0.250 in	
	4.00 J/cm	7.49 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)	84.0 °C	183 °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
Gloss	92 %	92 %	Gardner Gloss @ 60°

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	193 °C	380 °F	
Middle Barrel Temperature	216 °C	420 °F	
Front Barrel Temperature	227 °C	440 °F	
Melt Temperature	232 - 260 °C	450 - 500 °F	Nozzle temp not greater than stock
Mold Temperature	48.9 - 65.6 °C	120 - 150 °F	
Drying Temperature	87.8 - 93.3 °C	190 - 200 °F	
Dry Time	2 - 24 hour	2 - 24 hour	
Injection Pressure	68.9 - 82.7 MPa	10000 - 12000 psi	
Back Pressure	0.689 MPa	100 psi	
Screw Speed	50 - 60 rpm	50 - 60 rpm	

Descriptive Properties	Value	Comments
Injection Fill Speed	Slow to Moderate	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China