

Westlake Plastics HTP 800 Clear PVC

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Transparent

Material Notes:

HTP 800 is a clear PVC based material for use as windows and doors in cleanroom equipment. Notable properties include light transmission, chemical resistance, and flame resistance. Information provided by Westlake Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Plastics-HTP-800-Clear-PVC.php

Physical Properties	Metric	English	Comments
Water Absorption	0.016 %	0.016 %	ASTM D570; 24 hrs.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Tensile Strength, Yield	60.06 MPa	8711 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Flexural Strength	96.87 MPa	14050 psi	ASTM D790
Flexural Modulus	3.0030 GPa	435.55 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm	1.40 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 - 95.0 °C	194 - 203 °F	Continuous Use
Deflection Temperature at 1.8 MPa (264 psi)	76.7 °C	170 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.0 kV/mm	279 kV/in	ASTM D149; at 1 mil

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