

KYDEX® XD 3D Laminate Thermoplastic 3D Laminate for Flat Lamination and Membrane Pressed Uses

Category : Polymer , Thermoplastic

Material Notes:

Features: Tough and durable Resistant to cracking and chipping Solid, integral color 3500+ custom colors Resistant to a wide range of chemicals Abrasion resistant Fire retardant Excellent fabrication qualities Very low moisture absorption Membrane pressable Flexibility allows small radius bends Suggested Applications: Store fixtures Checkout counters Exhibits and displays Moldings Transaction surfaces Workstations Logo and trademark panels Kiosks Cabinetry Door and drawer fascias Pedestals and stands Gondolas Tabletops Flat laminated panels Information provided by Kydex, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KYDEX-XD-3D-Laminate-Thermoplastic-3D-Laminate-for-Flat-Lamination-and-Membrane-Pressed-Uses.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ASTM D785
Tensile Strength	42.0 MPa	6090 psi	ASTM D638
Elongation at Break	126 %	126 %	ASTM D638
Tensile Modulus	2.416 GPa	350.4 ksi	ASTM D638
Flexural Strength	66.0 MPa	9570 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	ASTM D256
Taber Abrasion, mg/1000 Cycles	9.5	9.5	CS10F wheel, 500 g load; ASTM D1044

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	66.2 Â°C	151 Â°F	unannealed; ASTM D648
	75.6 Â°C	168 Â°F	annealed; ASTM D648

Descriptive Properties	Value	Comments
Ball Impact Resistance	> 3000	NEMA LD3 - 2005
Cleanability	16	NEMA LD3 - 2005

Dart Impact Resistance Descriptive Properties	> 1000 Value	NEMA LD3 - 2005 Comments
Surface Burning Characteristics: Flame Spread/Smoke	Class 1/A	ASTM E84

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