Industrial Laminates/Norplex NP192 Synthetic Fabric (discontinued **)

Category : Polymer , Thermoset , Aramid , Phenolic

Material Notes:

Description: 8 oz. aramid and "soft glass" fibers are combined to make a fabric that is stronger than pure aramid and less abrasive than glass fabrics. This material is impregnated with a high temperature phenolic resin matrix, which produces a composite with excellent mechanical strength at elevated temperatures and adverse environments. Applications include wear plates for conveyor systems, and compressor and pump vanes.Thickness Tested: 0.125", 0.250" & 0.500"

Order this product through the following link:
http://www.lookpolymers.com/polymer_Industrial-LaminatesNorplex-NP192-Synthetic-Fabric-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 - 1.50 g/cc @Thickness 1.57 mm	1.40 - 1.50 g/cc @Thickness 0.0620 in	ASTM D792
Moisture Absorption at Equilibrium	2.86 % @Thickness 1.57 mm	2.86 % @Thickness 0.0620 in	ASTM D229

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90 - 110 @Thickness 1.57 mm	90 - 110 @Thickness 0.0620 in	ASTM D785
Flexural Strength	160 MPa @Thickness 1.57 mm	23200 psi @Thickness 0.0620 in	CW; ASTM D790
	201 MPa @Thickness 1.57 mm	29100 psi @Thickness 0.0620 in	LW; ASTM D790
Izod Impact, Unnotched	3.47 J/cm @Thickness 12.7 mm	6.50 ft-lb/in @Thickness 0.500 in	CW, Cond E-48/50; ASTM D256
	4.54 J/cm @Thickness 12.7 mm	8.50 ft-lb/in @Thickness 0.500 in	LW, Cond E-48/50; ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Flammability, UL94	HB @Thickness 1.57 mm	HB @Thickness 0.0620 in	

Electrical Properties	Metric	English	Comments

Electrical Properties	Metric	English	Comments
Dielectric Breakdown	2500 V @Thickness 1.57 mm	2500 V @Thickness 0.0620 in	Cond D-48/50; ASTM D229 S/S
	61000 V @Thickness 1.57 mm	61000 V @Thickness 0.0620 in	Cond A; ASTM D229 S/S

Descriptive Properties	Value	Comments
Color	Natural	

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