



Mechanical Rubber

PRODUCTS COMPANY, INC.

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Technical Data Sheet

TYPICAL PROPERTIES OF POLY II® UVA

SPECIFICATIONS:

MILP5425
MILPRF5425

GENERAL PROPERTIES:

ACRYLIC
CAST, PRE-SHRUNK

TYPICAL RESISTANCES:

HEAT RESISTANT

PROCESSES:

SHEETING

TEMPERATURE RANGE:

180°F MAX

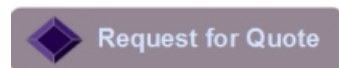
COLOR:

CLEAR OR COLORED

APPROVALS:

PHYSICAL PROPERTIES		
PHYSICAL PROPERTY	TEST METHOD	TYPICAL RESULT
SPECIFIC GRAVITY - HARDNESS	ASTM D792 ASTM D785	1.19 ROCKWELL HARDNESS: M98
TENSILE STRENGTH - ELONGATION	ASTM D638	11,250 PSI 6.4%
FLEXURAL STRENGTH	ASTM D790	15,250 PSI
COMPRESSION: STRENGTH - DEFLECTION	ASTM D695 ASTM D621	18,000 PSI 0.75%
REFLECTIVE INDEX	ASTM D542	1.49
LUMINOUS TRANSMITTANCE - WEATHERING HAZE	ASTM D1003 ASTM G26	92% <0.5%
CRAZING / DISCOLORATION / WARPING	ASTM G26	NONE
WATER ABSORPTION	MILP25690	0.65% / 0.2 IN
FLAMMABILITY	UL94HB	1.2 IN/MIN
COEFFICIENT OF THERMAL EXPANSION	MILP5425	0.000042°F

The above information is furnished as a guide for selecting materials. Mechanical Rubber disclaims liability for results or use of this information. It is the end user's responsibility to obtain and test samples when determining suitability of material for a particular application.



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