

**TYPICAL PROPERTIES OF
4A VOLARA**

POLYMER

CROSS-LINKED POLYETHYLENE

**FLAMMABILITY SPECIFICATIONS
FMVSS-302**

PASS

PHYSICAL PROPERTY	TEST METHOD	UNIT OF MEASURE	RESULT
COMPRESSION DEFLECTION @25%	ASTM D 3575	psi kPa	10 69
DENSITY	ASTM D 3575	pcf g/cm ³	3.6-4.4 .058-.071
WATER ABSORPTION MAX.	ASTM D 1667	lb/ft ² OF CUT SURFACE	.04
TENSILE STRENGTH	ASTM D 3575	psi kPa	M= 119 CM= 86 821 593
ELONGATION MINIMUM	ASTM D 3575	%	M= 182 CM= 141
THERMAL STABILITY 3 HRS @ 180°F	BASED ON ASTM D 3575*	%	M= -1.5 CM= -.7
THERMAL CONDUCTIVITY	ASTM C 177-85	K FACTOR @70°F	.30
COLOR	N/A	N/A	WHITE/BLACK

M= MACHINE DIRECTION
CM= CROSS MACHINE DIRECTION
* ASTM D 3575 CALLS FOR 3 HRS @ 158°F

PRODUCT CHARACTERISTICS:		
GOOD MECHANICAL PROPERTIES	SMOOTH SKIN	LOW WATER ABSORPTION
GOOD THERMAL INSULATOR	EXCELLENT CHEMICAL RESISTANCE	CONTINUOUS ROLLS

This information is furnished as a guide for selecting materials. Rubberlite Inc. disclaims liability for results or use of this information. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.

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