

**TYPICAL PROPERTIES OF
2A VOLARA**

POLYMER

CROSS-LINKED POLYETHYLENE

FLAMMABILITY SPECIFICATIONS

FMVSS-302 ----- PASS, \geq .312"

PHYSICAL PROPERTY	TEST METHOD	UNIT OF MEASURE	RESULT
COMPRESSION DEFLECTION @25%	ASTM D 3575	psi kPa	5 35
DENSITY	ASTM D 3575	pcf g/cm ³	1.8-2.2 .029-.035
WATER ABSORPTION MAX.	ASTM D 1667	lb/ft ² OF CUT SURFACE	.04
TENSILE STRENGTH	ASTM D 3575	psi kPa	M= 62 CM= 40 427 276
ELONGATION MINIMUM	ASTM D 3575	%	M= 120 CM= 90
THERMAL STABILITY 3 HRS @ 180°F	BASED ON ASTM D 3575*	%	M= -4.9 CM= -2.1
THERMAL CONDUCTIVITY	ASTM C 177-85	K FACTOR @70°F	.25
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.

Issue 3 01/06/04