



TYPICAL PROPERTIES OF  
**Ensolite® IV1**

POLYMER

PVC/NBR/CR

PHYSICAL PROPERTY	TEST METHOD	UNIT OF MEASURE	RESULT	SPECIFICATIONS
COMPRESSION DEFLECTION 25%	ASTM D1056	psi kPa	2 - 5 13.8 - 34.4	ASTM D1056-07.....2C1 ASTM D1056 Suffix's....., F1, M ASTM D6576-07.....Type II A, B, Soft GMW15473.....Class I Type IV WSK-M2D419-A.....Type II TSM 1501G.....2C1 UL50E.....LISTED Contact customer service for exceptions.
DENSITY	ASTM D1056	pcf g/cm <sup>3</sup>	3 - 5.5 .048 - .088	
COMPRESSION SET (MAX)	ASTM D1056	%	40	
WATER ABSORPTION (MAX)	ASTM D1056	%	10	
TENSILE STRENGTH (MIN)	ASTM D412 (DIE A)	psi kPa	50 345	
ELONGATION (MIN)	ASTM D412 (DIE A)	%	100	
TEAR STRENGTH (Typical)	ASTM D624 (DIE C)	lb/in kN/m	9 1.6	
CD CHANGE AFTER OVEN AGING	ASTM D1056	%	±30	
SHORE OO	ASTM D2240		30-45	
COLOR	N/A	N/A	BLACK	
				<b>FLAMMABILITY SPECIFICATIONS</b>
				FMVSS-302.....PASS FAR 25.853 F Part 1 (a)(1)(ii) .....PASS UL94 HF-1.....LISTED <sup>1</sup> UL94 V0, V1.....LISTED <sup>1</sup> <sup>1</sup> Contact customer service for thickness data.
				<b>ADDITIONAL INFORMATION</b>
				Service Temperature                      -40°F to 200°F Thermal Conductivity                      .231 Btu-in/hr-Ft <sup>2</sup> -°F

For updates to this document, please refer to our website or contact customer service.

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.

P.O. BOX 2965 HUNTINGTON, WEST VIRGINIA 25728  
 TELEPHONE (304) 525-3116 • FAX (304) 523-4316  
 WWW.RUBBERLITE.COM

Issue Date: 3/29/16