

TYPICAL PROPERTIES OF ENSOLITE® IV1

POLYMER: PVC/NITRILE/NEOPRENE

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
DENSITY	ASTM D1056		PCF G/CM ³	3 - 5 .048 - .080	ASTM D1056 SUFFIX'S	F1,M
COMPRESSION SET (MAX)	ASTM D1056		%	40	ASTM D6576-07	TYPE II A,B SOFT
WATER ABSORPTION (MAX)	ASTM D1056		%	10	GMW 15473	CLASS I TYPE IV
TENSILE STRENGTH (MIN)	ASTM D412 DIE A		PSI kPa	50 345	WSK-M2D419-A	TYPE II
ELONGATION (MIN)	ASTM D412 DIE A		%	100	TSM 1501G	2C1
TEAR STRENGTH (TYPICAL)	ASTM D624 DIE C		LB/IN kN/m	9 1.6	UL50E	LISTED
CD CHANGE AFTER OVEN AGING	ASTM D1056		%	±30	Contact customer service for exceptions.	
SHORE 00	ASTM D2240		%	30 - 45	FLAMMABILITY SPECIFICATIONS	
COLOR	N/A		N/A	BLACK	FMVSS-302	PASS
					FAR 25.853 F PART 1 (A)(1)(iii)	PASS
					UL94 HF-1	LISTED ¹
					UL94 V0, V1	LISTED ¹
					¹ Contact customer service for thickness data.	
					ADDITIONAL INFORMATION	
					SERVICE TEMPERATURE	-40 TO +200 °F
					THERMAL CONDUCTIVITY	.231 BTU-IN/HR-FT ² -°F

This information is furnished as a guide for selecting materials. Manufacturer 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.

Distributed By:

Advanced Gasket & Supply, Inc.

3336 Stuart Drive Fort Worth, TX 76110

Phone: 817.927.0500 Fax: 817.927.0554

www.advancedgasket.com

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