

## Typical Properties of 4A Volara®

Polymer	Crosslinked Polyethylene		
Physical Property	Test Method	Result (US Units)	Result (Metric Units)
Density	ASTM D3575	4 pcf	64 kg/m <sup>3</sup>
Compression Deflection 25%	ASTM D3575	10 psi	68.9 kPa
Compression Set 50%	ASTM D3575	20%	20%
Tensile Strength MD	ASTM D3575	135 psi	930.8 kPa
Tensile Strength CD	ASTM D3575	88 psi	606.7 kPa
Elongation MD	ASTM D3575	188%	188%
Elongation CD	ASTM D3575	132%	132%
Tear Strength MD	ASTM D3575	17 lb/in	2.97 kN/m
Tear Strength CD	ASTM D3575	26 lb/in	4.55 kN/m
Thermal Stability	ASTM D3575	-.99%	-.99%
Water Absorption	ASTM D3575	.04 lb/ft <sup>2</sup>	.195 kg/m <sup>2</sup>
Shore A	ASTM D2240	22	22
Shore OO	ASTM D2240	64	64
Thermal Conductivity	N/A	K Factor .30	
Service Temperature	-110 to 158F		

Contact customer service for specification inquiries.

*Disclaimer: This information is furnished as a guide for selecting materials. Rubberlite Inc. makes no warranties, expressed or implied, of merchantability with respect to the goods or that such goods are fit for any particular purpose. It is the customer's responsibility to obtain and test samples when determining suitability of material for a particular application.*