

**VOLARA FOAM. 2.0 pcf 32KG/M<sup>3</sup>**

Physical properties		Test Method	Imperial Units	Values	Metric Units	Values	
Density-Nominal		ASTM 3575	Lb/ft <sup>3</sup>	2	Kg/m <sup>3</sup>	32	
Tensile Strength	MD	ASTM 3575	PSI	44	kPa	303	
Tensile Strength	TD			40		276	
Elongation at Break	MD		%	163	%	165	
Elongation at Break	TD			172		172	
Tear Strength	MD		Lbf/in	12.0	Kg/m	214	
Tear Strength	TD			13.5		240	
Compression	25%		ASTM 3575	PSI	5	kPa	34
Deflection	50%				14		97
Compression Set	25% 24hr	7			7		
	50% 24hr	ASTM 3575	%	25	%	25	
Working Temperature range		Internal	°F	-76/194	°C	-60/90	
Water Absorption 24 (hrs)		Internal	% VOI (max)	1	% VOI (max)	1	
Thermal Conductivity @50°F (10°C)		ASTM C177	Btu-in/hr./ft <sup>2</sup> /°F	0.26	W/mK	0.038	
Thermal Conductivity @104°F (40°C)				0.29		0.042	
Hardness Shore OO Scale		ASTM 2240	Shore-00	56	Shore-00	56	
Flammability >0.25"		FMVSS 302	4"/min	PASS	100mm/min	PASS	
Thermal Stability 24 HRS @ 158°F (70°C)		ASTM 3575	%	<2	%	<2	

**Volara W/ Adhesive Backing.**

Foam Density	2Pcf
Tensile Strength	0.35Mpa
Elongation at break	150%
Peel Adhesion 90°	12.25N/25mm
Holding	≥24hours
Tack Ball #	10
Adhesive	Solvent acrylic
Release Liner	80g/m2
Coat Weight	73g/m2

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Data represents typical values measured on 0.4" thick specimen and should be considered as a guideline only. Metric data is covered from the imperial results measured by testing according to ASTM standards. The information above on Volara chemically cross-linked polyethylene foam is presented to the best of our knowledge.