OP-30

Open Cell Crosslinked Polyethylene

This data sheet property values are typical of the material and are intended to provide guidance to customers; they do not constitute a specification and should not be used for specification development.

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ISO 9001:2015 REGISTERED

PHYSICAL PROPERTIES		TEST METHOD	VALUES	USA UNITS	VALUES	METRIC UNITS
Density - Nominal		ASTM D3575	1.9*	lb/ft^3	30*	kg/m^3
Tensile Strength		ASTM D412	19	psi	130	kPa
Tear Strength		ASTM D624	5.7	lb/in	102	kg/m
Elongation		ASTM D412	180	%	180	%
Firmness		ASTM D2240	N/A	Asker C	N/A	Asker C
Compressive Stress						
Compression Set	25% 24hr	ASTM D1056	<12	%	<12	%
Compression Strength	25%	ASTM D1056	0.3	psi	2	kPa
	50%		0.5		3.4	
Working Temperature Range		Internal Test	-4 to 176	°F	-20 to 80	°C
Water Absorption (%) 24hr		ASTM-D1056-07	534	%		
Flammability		FMVSS302	71 to 47mm/min	Pass	N/A	Burn Rate

For bun size and color availability, please see the color and sizing chart, or contact us at info@worldwidefoam.com or visit www.worldwidefoam.com

*The tolerance on the open cell is +/- 10 kg/ m^3 or between 1.25 lb / ft^3 - 2.5 lb / ft^3.

FDA test result (White)

Test Items	Method	Unit	MDL	Result	Limit
Total nonvolatile extractives (D.I. Water, 120 ° F, 30 min)	FDA CFR 117.1350 condition E (2020)	Mg/in^2	0.2	n.d.	0.5
Total nonvolatile extractives (n-Heptane, 70 ° F, 30 mins)	FDA CFR 117.1350 condition E (2020)	Mg/in^2	0.2	n.d.	0.5
Total nonvolatile extractives (8% Alcohol, 120 °F, 24h)	FDA CFR 117.1350 condition E (2020)	Mg/in^2	0.2	n.d.	0.5
Total nonvolatile extractives (50% Alcohol, 120 °F, 24h)	FDA CFR 117.1350 condition E (2020)	Mg/in^2	0.2	n.d.	0.5

*Testing done according to ASTM D3575 & ASTM C177 (thermal conductivity) standards.

The data represented on this technical data sheet should be used as a guideline for product selection. This data is not intended to represent, replace or be used as a proxy for a specific product sales specification. The physical properties are averages based on limited production runs and are subject to change as additional data becomes available.