



XP-18UL

2 Stage Crosslinked Polyethylene Fire Retardant

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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PHYSICAL PROPERTIES		TEST METHOD	VALUES	USA UNITS	VALUES	METRIC UNITS
Density - Nominal		ASTM D3575	1.8	lb/ft ³	27	kg/m ³
Tensile Strength		ASTM D412	29	psi	200	kPa
Tear Strength		ASTM D624	8.5	lb/in	152	kg/m
Elongation		ASTM D412	200	%	200	%
Firmness		ASTM D2240	17	Asker C	17	Asker C
Compressive Stress						
Compression	50% 24hr	ASTM D1056	<32	%	<32	%
Compression Strength	25%	ASTM D1056	4.4	psi	30	kPa
	50%		N/A		N/A	
Working Temperature Range		Internal Test	-40 to 225	°F	-40 to 107	°C
Water Absorption 7 Days		ASTM-D1667	0.005	Lbs./sq.ft	N/A	
Flammability		UL94 HF1	Pass	Pass/Fail	N/A	Inch/Min

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

Horizontal Burning Test:

Criteria Conditions	HF-1	HF-2	HBF
Afterflame Time (sec)	4/5≤2s 1/5≤10s	4/5≤2s 1/5≤10s	---
Afterflame plus after glow time for each individual specimen (sec)	≤ 30s	≤ 30s	---
Whether ignited the cotton (Yes/No)	No	Yes	---
Damaged length (mm)	< 60mm	<60mm	---
Burning Rate of 25mm ~ 125 mm per min	---	---	≤ 40 mm/min or cease to burn before the 125 reference mark
Note: 4/5-Four out of a set of five specimens 1/5-One out of a set of five specimens			

*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.