



XP-90R

1 Stage 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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PHYSICAL PROPERTIES		TEST METHOD	VALUES	USA UNITS	VALUES	METRIC UNITS
Density - Nominal		ASTM D3575	10	lb/ft ³	160	kg/m ³
Tensile Strength		ASTM D3575	215	psi	1482	kPa
Tear Strength		ASTM D3575	45	lb/in	803	kg/m
Elongation		ASTM D3575	90	%	90	%
Firmness		ASTM D2240	73	Asker C	73	Asker C
Compressive Stress						
Compression Set	50% 24hr	ASTM D3575 Suffix B	<12	%	<12	%
Compression Strength	25%	ASTM D3575 Suffix D	60	psi	134	kPa
	50%		92		634	
Working Temperature Range		Internal Test	-40 to 225	°F	-40 to 107	°C
Water Absorption 7 Days		ASTM-D1667	.0134	Lbs./sq.ft		
Flammability		FMVSS302	Pass at .09"	Pass/Fail	3.59"/min	Burn Rate

*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.