



Worldwide Foam
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Typical Properties Matrix of XLPE

See Block Sizing and Color Chart for more details

			XP-15	XP-18UL	XP-20	EV-20D	OP-30	XP-30	EV-30D	SC-30	XP-40	EV-40D	XP-60	EV-60D	XP-65R	XP-80R	XP-90	XP-90R	XP-150R
Density	ASTM D3575	PCF	1.5	1.8	2	2	3	3	3	3	4	4	6	6	7	9	9	10	15
		kg/m ³	24	27	32	32	48	48	48	48	64	64	96	96	112	144	144	160	244
Tensile Strength	ASTM D3575	psi	30	29	40	50	19	70	60	50	85	70	125	205	175	185	200	215	260
		kPa	206	200	275	345	130	483	413	344	586	482	861	1413	1206	1275	1379	1482	1793
Tear Strength	ASTM D3575	lb/in	9	8.5	10	11	5.7	15	15	9.8	18	18	32	40	32	35	55	45	55
		kg/m	160	152	179	196	102	268	267	175	321	321	580	714	580	625	982	803	982
Elongation	ASTM D3575	%	225	200	225	290	180	240	400	49	250	450	250	400	80	80	325	90	115
Firmness	ASTM D2240	Asker C	20	17	25	15	N/A	35	23	33	45	28	62	45	60	65	73	73	79
Compression Set @50%	ASTM D3575 Suffix B	%	<25	<32	<20	<18	<12	<15	<15	<15	<12	<12	<10	<10	<16	<12	<8	<12	<15
Compression Deflection @25%	ASTM D3575 Suffix D	psi	7	4.4	9	9	2	12	9	11	14	10	33	16	33	50	63	60	80
		kPa	48	30	62	62	14	83	61	76	96	72	224	110	224	344	438	413	551
Compression Deflection @50%	ASTM D3575 Suffix D	psi	12	N/A	17	17	N/A	21	18	22	25	18	46	26	44	75	80	92	130
		kPa	86	N/A	117	117	N/A	145	120	152	172	123	320	183	303	517	552	637	896

*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.