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Typical Properties Matrix of XLPE

See Block Sizing and Color Chart for more details

			XP-15	XP-20	EV-20D	EV-20E	XP-30	EV-30D	XP-40	EV-40D	PR-40	XP-40R	XP-60	EV-60D	XP-65R	XP-80R	XP-90	XP-90R	XP-150R
Density	ASTM D3575	PCF	1.5	2	2	2	3	3	4	4	4	4.5	6	6	7	9	9	10	15
		kg/m ³	24	32	32	32	48	48	64	64	64	64	72	96	96	112	144	144	160
Tensile Strength	ASTM D3575	psi	30	40	50	63	70	60	85	70	80	120	125	205	175	185	200	215	260
		kPa	206	275	345	434	483	413	586	482	551	827	861	1413	1206	1275	1379	1482	1793
Tear Strength	ASTM D3575	lb/in	9	10	11	11	15	15	18	18	23	25	32	40	32	35	55	45	55
		kg/m	160	179	196	196	268	267	321	321	425	446	580	714	580	625	982	803	982
Elongation	ASTM D3575	%	225	225	290	350	240	400	250	450	243	190	250	400	80	80	325	90	115
Firmness	ASTM D2240	Asker C	20	25	15	10	35	23	45	28	40	45	62	45	60	65	73	73	79
Compression Set @50%	ASTM D3575 Suffix B	%	<25	<20	<18	<20	<15	<15	<12	<12	<14	<12	<10	<10	<16	<12	<8	<12	<15
Compression Deflection @25%	ASTM D3575 Suffix D	psi	7	9	9	3.5	12	9	14	10	13	19	33	16	33	50	63	60	80
		kPa	48	62	62	24	83	61	96	72	93	131	224	110	224	344	438	413	551
Compression Deflection @50%	ASTM D3575 Suffix D	psi	12	17	17	9	21	18	25	18	24	31	46	26	44	75	80	92	130
		kPa	86	117	117	62	145	120	172	123	165	213	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.