

Typical Properties Matrix of XLPE

See Block Sizing and Color Chart for more details

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		PCF	2	2	2	3	3	3	4	4	4	6	6	6	7	8	9	9	10	260
Density	ASTM D3575	kg/m3	32	32	32	48	48	50	64	64	64	96	96	96	112	116	144	144	160	1793
	Tensile Strength	ASTM D3575	psi	21.7	40	50	70	60	36	85	70	52.2	125	205	71	115	258	185	200	215
		kPa	150	275	345	482	414	350	586	483	360	861	1413	490	793	1779	1276	1379	1482	982
Tear Strength	ASTM D3575	lb/in	N/A	10	11	15	15	5	18	18	15	33	40	28	32	44	35	55	45	115
	ASTM D3575	kg/m	N/A	179	196	267	248	82	321	321	268	589	714	500	675	785	625	982	803	79
Elongation	ASTM D3575	%	N/A	225	290	240	400	50	250	450	50	250	400	55	82.7	132	80	325	90	
Firmness	ASTM D2240	Asker C	19	25	23	35	23	20	43	28	41	60	45	58	55	73	65	73	73	<15
Compression Set @50%	ASTM D3575	%	<30	<20	<18	<15	<15	<25	<12	<12	N/A	<10	<10	N/A	<10	N/A	<12	<8	<12	80
	Suffix B																			552
Compression Deflection @25%	ASTM D3575	psi	3.6	9	9	12	9	4	14	10	11	32	16	25	29.3	56	50	63	60	130
	Suffix D	kPa	25	62	62	83	62	30	96	69	75.8	221	110	172	202	386	345	434	413	896
Compression Deflection @50%	ASTM D3575	psi	N/A	17	17	21	18	N/A	25	18	N/A	50	27	N/A	47.2	83	75	80	92	
	Suffix B	kPa	N/A	117	117	145	124	N/A	172	124	N/A	345	186	N/A	325	572	517	552	634	

*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.