



Physical Properties of Extol Fabricated Insulation Materials

PRODUCT NAME	ASTM	Density ASTM D 1622 lb/ft ³	K-Factor @75°F ASTM C 518 Aged 180 days	Compressive Strength, lb/in ² ASTM D1621 (1 = Parallel to Rise)	Service Temperature Range of Insulation- °F	Surface Burning Characteristics ASTM E-84 Flame/Smoke	Water Absorption, % by volume ASTM C 272
Dupont - STYROFOAM® (XPS PIB)	C578 Type XIII	1.60	0.259	20	-300 to 165	5/165	0.5
Kingspan - ISO-C1 2.5 lb/ft ³ PIR	C591	2.50	0.19	41	-297 to 300	25/350	0.6
Kingspan - ISO-HT 2.5 lb/ft ³ PIR	C591	2.50	0.19	43	-297 to 350	25/400	0.6
HiTHERM® - HT-300 PIR	C591	2.00	0.17	27	-297 to 300	25/50 Up to 2.5 thickness	1.1
HOWRED - GOODTEMP Perlite	C610	12	0.65	134	Amb + 1200	0/0	2.7
JM - TRYMER™ PIR 2000 XP	C591	2.05	0.19	25	-297 to 300	25/450	0.7
JM - TRYMER™ PIR 25-50	C591	2	0.19	24	-297 to 300	25/50 Up to 1.5 thickness	0.7
JM - TRYMER™ PIR 3000	C591	3.00	0.19	65	-297 to 300	25/450	0.7
JM - TRYMER™ PIR 4000	C591	4.00	0.19	95	-297 to 300	25/450	0.7
JM - TRYMER™ PIR 6000	C591	6.00	0.19	140	-297 to 300	25/450	0.7
Owens Corning - FOAMULAR® (XPS)	C578 Type IV	1.45	0.20	25	-320 to 165	10/75	0.15
Owens Corning - FOAMGLAS® (Cell Glass)	C552	7.18 ASTM C303	0.29	C(240) 90	-450 to 900	0/0	.2 ASTM C240
Polyguard PolyPhen 2.5 lb/ft ³ (Phenolic)	C1126	2.50	0.17	25	-290 to 250	25/50	1.5
Polyguard PolyPhen 3.75 lb/ft ³ (Phenolic)	C1126	3.75	0.19	40	-290 to 250	25/50	1.5
Polyguard PolyPhen 5.0 lb/ft ³ (Phenolic)	C1126	5.00	0.22	70	-290 to 250	25/50	1.5
Polyguard PolyPhen 7.5 lb/ft ³ (Phenolic)	C1126	7.50	0.24	110	-290 to 250	25/50	1.5
Rockwool ProRox SL 460	C612	6.50	0.38	5	Amb to 1200	25/50	C1104 1

Technical Information supplied by the manufacturer 2022