

PIRMACTM



PIRMACTM440



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PIRMACTM RIGID POLYISOCYANURATE INSULATION

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POLYISOCYANURATE (PIR) COMPLIES WITH ASTM C591, GRADE 2, TYPE IV

PROPERTIES

TEST METHOD

VALUE

Temperature	Upper Lower	+149°C -183°C
Density	ASTM D1622	40 Kg/m ³
Compressive Strength Parallel	ASTM D1621	250 Kpa
Compressive Strength Perpendicular	ASTM D1621	216 Kpa
Tensile Strength Parallel	ASTM D1623	390 Kpa
Tensile Strength Perpendicular	ASTM D1623	280 Kpa
Closed Cell Content	ASTM D2856	92%
Thermal Conductivity @ 10°C	ASTM C518	0.0231 W/m.k
Thermal Conductivity @ 20°C		0.0246 W/m.k
Fire Properties	DIN 4102	B2
Flame Spread	ASTM E84	<25
Water Absorption	ASTM C272	0.7 (Max. Vol%)
Water Vapor Permeability	ASTM E96	5.1 max, (ng/Pa-s-m)
Leachable Chloride Content	ASTM C871	<60 ppm
pH		6-7

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