

# Technical Data Sheet

## PIRMAC™ 40 Rigid Polyisocyanurate Insulation

PIRMAC™ 40 Polyisocyanurate (PIR) Complies with ASTM C591, Grade 2, Type II

Properties	Test Method	Value
Temperature	Upper Lower	+149°C -183°C
Density	ASTM D1622	40 Kg/m <sup>3</sup>
Compressive Strength Parallel Compressive Strength Perpendicular	ASTM D1621 ASTM D1621	250 Kpa 190 Kpa
Tensile Strength Parallel Tensile Strength Parallel Perpendicular	ASTM D1623 ASTM D1623	410 Kpa 300 Kpa
Closed cell content	ASTM D2856	92%
Thermal Conductivity (at -10°C) Thermal Conductivity (at -20°C)	ASTM C518	0.023 W/m.k 0.024 W/m.k
Fire Properties Flame Spread	DIN 4102 ASTM E84	B2 <25
Water Absorption Water Vapor Permeability	ASTM C272 ASTM E96	0.7 (Max. Vol%) 5.1 max, (ng/Pa-s-m)

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Our Chemical Systems Provided By:



PIRMAC™ Rigid Polyisocyanurate Insulation