

Technical Properties

PIR Rigid Foam

POLYISOCYANURATE FOAM – E 50

Universal PIR rigid foam with special performance in thermal conductivity

Density	EN 1602	kg/m ³	47 - 52
Compressive strength	EN 826	kPa	350 - 400
E-Modulus	MPa		10,0 – 13,0
Bending strength	EN 12089	kPa	450 – 600
Tensile strength	EN 1607	kPa	350 – 450
E-Modulus	MPa		15,0 – 17,5
Shearing strength	EN 12090 (DIN 53294)	kPa	240 – 300
Transversal strength	EN 12090 (DIN 53427)	kPa	200 – 250
Closed cell content	ISO 4590	%	90 – 95
Water absorption	EN 12087	max %	3
Temperature	-	°C	-30 / +120
Fire property	DIN 4102 EN 13501-1	-	B2
Thermal conductivity **	EN 12667	W/(mK)	0,022-0,025

** in house test initial @ 10°C

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01-2017