

Technical Properties

PIR Rigid Foam

POLYISOCYANURATE FOAM – E 80

Universal PIR rigid foam with special performance in thermal conductivity

Density	EN 1602	kg/m ³	77-82
Compressive strength	EN 826	kPa	650 – 750
E-Modulus	MPa		17,0 – 24,0
Bending strength	EN 12089	kPa	960 – 1300
Tensile strength	EN 1607	kPa	720 - 850
E-Modulus	MPa		27,0 – 31,5
Shearing strength	EN 12090 (DIN 53294)	kPa	400 – 470
Transversal strength	EN 12090 (DIN 53427)	kPa	360 – 420
Closed cell content	ISO 4590	%	90 – 95
Water absorption	EN 12087	max %	3
Temperature	-	°C	-45 / +120
Fire property	DIN 4102 EN 13501-1	-	B2 E
Thermal conductivity **	EN 12667	W/(mK)	0,024-0,026

** in house test initial @ 10°C

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