

Technical Data Sheet

TarecTMpir HD 320

CFC/HCFC Free Rigid Polyisocyanurate Insulation

Material Property	Test Method	Unit	Typical Value
Nominal Density	EN ISO 845	kg/m ³	≥ 320
Thermal Conductivity	EN 12667 at +10°C		
	Initial	W/m-K	0.050
	Aged (25 weeks @ 70°C)	W/m-K	0.054
Colour			Green
Closed Cell Content	EN ISO 4590 Meth. 1	%	≥ 95
Operating Temperature Limits	Upper Limit	°C	+120
	Lower Limit	°C	-200
Compressive Strength	EN 826 at +23°C		
	Parallel	kPa	≥ 5750
	Perpendicular	kPa	≥ 5000
Tensile Strength	ASTM D 1623 – Spec. A at +23°C		
	Parallel	kPa	≥ 4900
	Perpendicular	kPa	≥ 4700
Linear Dimensional Stability	EN 1604		
	+93°C for 24 hours	%	≤ 1
	-30°C for 24 hours	%	≤ 1
	+70°C and 95% RH for 48 hours	%	≤ 3
Friability	ASTM C 421 (10 min.)	%	≤ 5
Linear Expansion Coefficient	ASTM D 696	K ⁻¹	40-70 x 10 ⁻⁴
Water Absorption	ISO 2896	Vol %	≤ 5.0

Fire Properties	Test Method	Typical Result
Horizontal Burning	EN ISO 3582	≤ 20 mm
Temperature Index	EN ISO 4589-3	> 390°C
Vertical Burning	DIN 4102-1	B2