

## Technical Data Sheet

# Tarec<sup>TM</sup>pir HD 224

CFC/HCFC Free Rigid Polyisocyanurate Insulation

Material Property	Test Method	Unit	Typical Value
Nominal Density	EN ISO 845	kg/m <sup>3</sup>	≥ 224
Thermal Conductivity	EN 12667 at +10°C		
	Initial	W/m·K	0.040
	Aged (25 weeks @ 70°C)	W/m·K	0.047
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	≥ 2950
	Perpendicular	kPa	≥ 2750
Tensile Strength	ASTM D 1623 – Spec. A at +23°C		
	Parallel	kPa	≥ 3000
	Perpendicular	kPa	≥ 2800
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 <sup>-1</sup>	40-70 x 10 <sup>-6</sup>
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