

## Technical Data Sheet

# Greentherm<sup>®</sup> 35

CFC/HCFC Free Rigid Polyisocyanurate Insulation

Material Property	Test Method	Unit	Typical Value
Nominal Dry Density	EN ISO 845	kg/m <sup>3</sup>	35
Thermal Conductivity	EN 12667 at +10°C	W/m·K	0.021
	Initial Aged (25 weeks @ 70°C)	W/m·K	0.025
Colour			Grey
Closed Cell Content	EN ISO 4590 Meth. 1	%	≥ 95
Operating Temperature Limits	Upper Limit	°C	+120
	Lower Limit	°C	-50
Compressive Strength	EN 826 at +23°C	kPa	≥ 150
	Parallel Perpendicular	kPa	≥ 90
Tensile Strength	ASTM D 1623 – Spec. A at +23°C	kPa	≥ 150
	Parallel Perpendicular	kPa	≥ 110
Linear Dimensional Stability	EN 1604		
	+93°C for 24 hours	%	≤ 1
	-30°C for 24 hours	%	≤ 1
Linear Expansion Coefficient	ASTM D 696	K <sup>-1</sup>	40-70 x 10 <sup>-6</sup>

Fire Properties	Test Method	Typical Result
Fire Propagation	BS 476-6	Index of performance (I) not exceeding 12 and sub-index (i <sub>2</sub> ) not exceeding 6*
Surface Spread of Flame	BS 476-7	Class 1*
Horizontal Burning	EN ISO 3582	≤ 10 mm
Oxygen Index	EN ISO 4589-2	≥ 50 %
Temperature Index	EN ISO 4589-3	> 390°C
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: ≤ 25 Smoke Developed Index: ≤ 50
Epiradiateur	NF P92-501	M1
Vertical Burning	DIN 4102-1	B2

\* These test results combined enable a **Class 0** classification to the Building Regulations

Green Products Industrial Insulation takes no responsibility for any application where products from Green Products Industrial Insulation are used without prior inquiry of Green Products Industrial Insulation. Green Products Industrial Insulation doesn't take any responsibility if the products are wrongly applied. The values mentioned on this sheet are typical and don't imply specification limits. Though the information reported in this data sheet is true and reflects Green products Industrial Insulation's best knowledge, we decline all responsibility for errors and omissions, damage or loss resulting here from it is always necessary to verify recommendations for use with regards to suitability and conformity with actual requirements, specifications and any applicable laws.