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POLYISOCYANURATE FOAM

CASSPIR

DESCRIPTION

Polyisocyanurate foam (PIR) is a variant of the rigid polyurethane foam, practically identical in terms of appearance, properties and thermal insulation coefficient, and only differing by the greater resistance to fire and to temperature of the PIR foam.

CASSPIR is an 0 ODP (Ozone Depletion promotion) foam.

APPLICATIONS

The field of application agrees with the one of the polyurethane. (Pipe supports, pumps supports, doors, panels...).

AVAILABILITY

Panels 2400 x 1000 mm, any thickness available.
Pipe sections. Segments.

PROPERTIES

PROPERTY	STANDARD	UNITS	TYPICAL VALUES
Density	ASTM D 1622	kg/m ³	> 40
Compressive strength at any direction (x,y,z)	EN 826	kg/cm ²	2,5
Structural properties. Safety factor.	ASTM D1623 ASTM D696	-	≥ 1,5
Thermal conductivity (aged foam)	EN 12667	W / m·K	0.0224 (23°C) 0.0157 (-155°C)
Closed cells content	ASTM D2856	%	≥ 95%
Water vapour permeability	ASTM E96-95	kg/m.s.Pa	3x10 ⁻¹²
Thermal contraction/expansion coefficient	ATSM D696	mm/mm·K	49,1x10 ⁻⁶
Fire tests classification	ASTM E84-03	-	≤ 25
	BS 476 Part 7	-	Class 1
	ASTM D3014		≥ 85%