

## **BETA foam 50** ( PIR Rigid cold insulation)



PIR (Polyisocynurate) foam segments are high-quality insulating materials with excellent properties and are supplied in pipe sections and slabs. Other types available on request. Standard densities are 50 (PIR), other densities are also available.

PIR are used extensively on equipment and piping operating at lower temperatures in power stations, marine vessels, petrochemical plants, oil refineries etc.

Technical Specifications				
No.	Properties	Method	Unit	Value (for PIR)
1	Density. min	ASTM D 1622	kg/m <sup>3</sup>	50
2	Compressive strength 10% deflection	ASTM D 1621	kPa	300
3	Tensile Strength	ASTM D 1623	kPa	280
4	Closed cell	ASTM D 2856	%	Min. 90
5	Thermal conductivity After 5 months of stabilization	ASTM C 518	Kcal/hm <sup>°</sup> C	0.020
6	Friability (@ 10 min.)	ASTM C 421	%	- 9 ± 1
7	Water absorption	ASTM D 2842	max % by vol.	≤5
8	Water vapor transmission at 23°C /85% R.H.	ASTM E 96	g/m <sup>2</sup> @24 H	30 + 10
9	Dimensional stability @70 °C / 97% R.H.	ASTM D 2126	max linear change %	2
10	Fire Properties (flame spread)	ASTM E84	Class A	0-25
11	Operation Temperature	--	(°C)	-129 to +93

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