

# CIPTEX™ 9340SP1

## Polyisocyanurate Foam



### Products Description

CIPTEX 9340SP1 is special foam material developed by Herence for nuclear power area. Comparing to general PIR, it has better physical properties in normal and cryogenic temperature. With good dimensional stability, it can be accurately tailored to meet the thickness of the multi-layer structure.

CIPTEX 9340SP1 meets ASTM and GB industry standard.

### Density Range

- 340±20 kg/m<sup>3</sup>

### Specification

- Low thermal conductivity
- High physical properties in cryogenic temperature
- Burning characteristics class B2
- Good dimensional stability and processing performance

### Application

- Piping supports for insulated piping in nuclear power area
- Insulated piping with high performance requirements in Lng area

### CIPTEX 9340SP1 PHYSICAL PROPERTIRS

Appearance		Yellowish foam
HCFC	(QB/T5114-2017)	No
Thermal Conductivity	(GB/T10295-2008/ ASTM C 518)	0.0459 W/(m.k)
Water Absorption	(GB/T8810-2005/ ASTM D 2842)	1.5 %
Closed Cell Content	(GB/T10799-2008/ ASTM D 2856 )	99.0 %
Water Vapor Transmission	(QB/T2411-1998/ ASTM E96)	6.1 g/(m <sup>2</sup> .24h)
Compressive Strength	(GB/T 8813-2008/ ASTM D 1621)	
20°C	Parallel side	10.8 MPa
20°C	Perpendicular side	10.7 MPa
-165°C	Parallel side	25.9 MPa
Tensile Strength	(GB/T 9641-1988/ ASTM D 1623)	
20°C	Parallel side	4.95 MPa
20°C	Perpendicular side	4.93 MPa
-165°C	Parallel side	9.76 MPa
Friability	(GB/T 12812-2006/ ASTM C 421)	0.20%

Dimensional Stability	(GB/T 8811-2008/ ASTM C2126)	
-30°C、24h	Length	0.0%
	Width	0.0%
	Height	0.0%
Dimensional Stability	(GB/T 8811-2008/ ASTM C2126)	
70°C、48h	Length	0.0%
95%RH	Width	0.0%
	Height	0.1%
Dimensional Stability	(GB/T 8811-2008/ ASTM C2126)	
93°C、24h	Length	0.0%
	Width	0.1%
	Height	0.1%
Burning Characteristics	(Din4102-1)	B2
Oxygen Index	(GB/T 2406.2-2009)	27.3

**Instruction**

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values". To assure the material's performance is adequate for a specific application; customers should verify, independent of Herence, performance characteristics of interest.

**Contact**

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