

Technical Data Sheet

CRAD-X™ 320

High Density Polyurethane Pipe Supports

HIGH DENSITY POLYURETHANE FOAM PRODUCT INFORMATION
(320Kg/m³ nom.density)

CRAD-X™ 320 is a pre-insulated pipe support for cryogenic applications.
CRAD-X™ 320 is manufactured from high density polyurethane which do not contain or use during fabrication environmentally hazardous materials.
CRAD-X™ 320 is CFC free.

PIRMAC™ 35 Polyisocyanurate (PIR) Complies™ with ASTM C591, Grade 2, Type IV

Properties	Test Method	Results
Density	ASTM D1622	320 Kg/m ³
Compressive Strength (at 20°C)	ASTM D1621	8.1 Mpa
Compressive Strength (at -160°C)	ASTM D1621	15.8 Mpa
Thermal Conductivity (at 20°C)	ASTM C177	0.041 W/mk
Thermal Conductivity (at -160°C)	ASTM C518	0.037 W/mk
Closed cell content	ASTM D2856	95%
Leachable Halides	ASTM D871	Less than 20ppm
Tensile Strength (at 20°C)	ASTM D1623	6.649 Mpa
Tensile Strength (at -160°C)	ASTM D1623	14.31 Mpa
Water Absorption	ASTM D2842	0.12% vol

Egypt:

Misalla Industrial Service.
Address: Smouha Green Towers, Building #4, Alexandria.
Tel.: (203) 5899040
Fax : (203) 5899041
E-Mail: info@misalla.com
Website: www.misalla.com

Kingdom of Saudi Arabia:

Energy Construction.
Address: Sabian Street, Behind Arab National Bank, Jeddah, P.O. Box 50595
Tel.: +966 2 674 3892 Ext. (114)
Fax : +966 2 674 3823
E-Mail: w.fahmy@energygcc.com
Website: www.misalla.co



Our Chemical Systems Provided By:



CRAD-X™ High Density Polyurethane Pipe Supports