



# Fabricated 360° Pipe Support (6 Lb. density Polyisocyanurate)

## Description

Fabricated 360° pipe insulation supports produced with 6.0 Lb. / ft<sup>3</sup> density polyisocyanurate foam and are available in 12, 18 and 36" standard lengths as specified per pipe size and application loads. The insulation support is supplied with standard ASJ jacketing. We also provide fabricated 180° pipe supports.

Other insulation and jacketing materials are available for alternate service temperatures, compressive strength, vapor perm and other performance properties. Pipe support material should be selected to match the general system requirements while handling the expected support load without damage to the insulation. Typical fabricated pipe support materials include: Polyisocyanurate and Phenolic foams and Cellular Glass. Companion pipe saddles can be supplied with pipe supports (sold separately).

## Pipe Support Features / Benefits

- Insulation pipe supports are made to order with specified density, jacketing and optional companion saddle to meet project specifications.
- High density supports provide increased compressive strength and durability at crucial pipe support points to maintain insulation system integrity.
- Most orders are produced in 5-10 days for fast turnaround.
- Saddle materials include: galv. steel, stainless steel and PVC with gauge and type to meet project requirements.

## Pipe Support Availability

Fabricated insulation Pipe Supports are made to order and can typically completed in within a few days ARO.

**Standard Size:** 12", 18" and 36" length up to 24" diameter  
(other lengths available upon request)

Fabricated pipe supports are available through a network of FBM-SPI locations across North America.

**Additional product information at [www.fbm-spi.com](http://www.fbm-spi.com)**



Fabricated Pipe insulation Support with Pipe Saddle (sold separately).  
Ref. insulation Manufacturer datasheet for additional detail.

## Performance Compliance Data

ISO-C1*/6.0 Polyisocyanurate Foam Comparison versus ASTM C591-15		
GENERAL PHYSICAL PROPERTIES <sup>1,2,3</sup>		
	ISO-C1/6.0	ASTM C591 Max or Min
Service Temperature (Maximum) <sup>4</sup> °F (°C)	300 (149)	300 (149)
(Minimum)	-297 (-183)	-297 (-183)
12.1 <sup>5</sup> Nominal Density, D1622, lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	6 (96)	≥6 (96)
12.2 Compressive Resistance (Strength), D1621, psi (kPa)		
	Parallel	≥125 (862)
12.3 Apparent Thermal Conductivity, C177 <sup>6</sup> (aged 6 months @ 73 ± 4°F), Btu in/hr ft <sup>2</sup> °F (W/m °K)		
Mean temp of measure -200°F (-129°C)	0.13 (0.018)	≤0.15 (0.022)
Mean temp of measure -150°F (-101°C)	0.15 (0.021)	≤0.17 (0.025)
Mean temp of measure -100°F (-73°C)	0.17 (0.025)	≤0.19 (0.027)
Mean temp of measure -50°F (-45°C)	0.18 (0.026)	≤0.21 (0.030)
Mean temp of measure -0°F (-17°C)	0.17 (0.025)	≤0.22 (0.032)
Mean temp of measure +50°F (+10°C)	0.18 (0.026)	≤0.21 (0.030)
Mean temp of measure +75°F (+24°C)	0.19 (0.027)	≤0.22 (0.032)
Mean temp of measure +150°F (+66°C)	0.22 (0.032)	≤0.26 (0.037)
Mean temp of measure +200°F (+93°C)	0.23 (0.033)	≤0.30 (0.043)
Apparent Thermal Conductivity, C518 <sup>8</sup> , aged +75°F (+24°C)	0.22 (0.032)	≤0.22 (0.032)
Average +75°F (+24°C) Mean Temperature Value	0.22 (0.032)	Not Specified
12.4 Hot-Surface Performance, C411, at 300°F (149°C) Deflection inches (mm)	Pass @ 0.06 (1.5)	≤0.25 (6)
12.5 Water Absorption, C272, % by volume	0.6	≤0.8
12.6 Water Vapor Permeability (Transmission), E96, Perm-in (ng/Pa·s·m)	1.6 (2.3)	≤2.0 (2.9)
12.7 Dimensional Stability <sup>7</sup> , D2126, % linear change		
-40°F, 14 days	0.5	≤1
158°F, 97% RH, 14 days	-1.2	≤4
212°F, 14 days	0.6	≤2
12.8 Closed Cell Content, D6226, %	95	≥90
<b>ASTM C591-15 COMPLIANCE</b>	<b>YES</b>	<b>YES</b>

Properties as reported by DYPLAST Products for 6.0 lb. / ft<sup>3</sup> material



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March 2018 - Form Pipe Support



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