

# High Density PUF/PIR Supports



ShreeFoam offers a wide range of PUF supports. The density of PUF support ranges from 80 kg/m<sup>3</sup> to 500 kg/m<sup>3</sup>. The higher density PUF supports can be made available against specific customer requirements. Shree Foam high density supports enable higher loads without increase in surface area. Shree Foam supports do not require sawing and shaping at site, the supports designed to suit exact pipe OD. Shree Foam supports are having excellent closed cell structure and it does not permit water / water vapour penetration.

## Features

- Durable
- Pre-Fabricated and ready to use
- Sawing and shaping not required at site
- Available in various density and dimensions as per customer requirement
- Excellent Thermal conductivity
- CFC free chemical system
- Leak proof
- Temperature ranges from - 200°C to max +100°C
- Excellent dimensional density

## Properties

Parameters	Standard reference	Standard Values	
<b>Density (Kg/m<sup>3</sup>)</b>	ASTM D 1622 / IS 11239	240	320
<b>Compressive Strength at 10% deformation (mpa) min</b>	ASTM D 1621	3	6
<b>Tensile Strength (mpa) min</b>	ASTM D 1623	3	4.9
<b>Thermal Conductivity at Mean Temp.-40°C (W/m°K) Max.</b>	ASTM C 177	0.034	0.04
<b>Mean temp. -80°C (W/m°K) Max.</b>		0.031	0.04
<b>Water Vapour permeability 23°C &amp; 50% RH (g/m<sup>2</sup>h) min</b>	ASTM E 96	0.8	0.8
<b>Water absorption (%) max</b>	ASTM D 2842	5	5
<b>Chloride content (ppm) max</b>	ASTM C 871	60	60
<b>Combustibility / Fire resistance FSI – max</b>	ASTM E 84	25	25
<b>pH value</b>	ASTM C 871	6 - 7	6 - 7
<b>Linear Co efficient of thermal expansion (max)</b>	ASTM D 696	70 x 10 <sup>-6</sup>	70 x 10 <sup>-6</sup>
<b>Close Cell Content (%),</b>	ASTM D 6226	95	95