



# “Lift-Off” Pipe Supports®

A “500 Projects” LLC Company



## “Lift-Off Rest” (LOR) Pipe Support Barrier

Our LOR is an insulating composite material especially designed to meet the thermal and mechanical requirements of load bearing supports.

LOR is manufactured from a special formulation of selected synthetic resins in combination with high-strength glass reinforcements.

Whether cryogenic or high temperature, the LOR will ensure it meets the need for your application.

### Material Specifications

General Information	Procedure	Specifications
Color		Blue
Max Service Temp		550°F (288 C) Intermittent
Low Service Temperature:		-265°F (-165°C)
Continuous Use Temp		412°F (211°C)
Form		Profile
<b>Mechanical Properties</b>		
Flexural Strength	ASTM D790	31,000 psi
Tensile	ASTM D638	>11,000 psi
Compressive Strength @ 75° F (24° C)	ASTM D695	49,000 psi
Compressive Modulus	ASTM D695	1,800,000 psi
IZO Impact Strength (notched)	ASTM D256	8 Ft. lb./in.
Flexural / Bending Strength	ASTM D790	29,000 psi
<b>Flame-Resistance Properties</b>		
UL Subject 94	UL 94	HB
<b>Physical Properties</b>		
Water Absorption	ASTM D570	0.2% by weight
Specific Gravity	ASTM D792	123 lbs./ft <sup>3</sup>
Coefficient of Thermal Expansion		
Across Thickness	ASTM D696	11.62 ln/ln°C x 10 <sup>5</sup>
Across Surface	ASTM D696	2.21 ln/ln°C x 10 <sup>5</sup>
Thermal Conductivity	ASTM C177	Ca. 0.30 W/m <sup>2</sup> K
<b>NOTE:</b> The above values are measured and are believed to be accurate. However final determination regarding the suitability of material should be evaluated by the end user.		

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LOR is manufactured from a special formulation of selected synthetic resins in combination with high-strength glass reinforcements.

Whether cryogenic (up to -265°F) or high temperature (up to 550°F), the LOR will ensure it meets the need for your application.



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## The extraordinary properties of the LOR Pipe Support are:

- Very Low Thermal Conductivity
- High Mechanical Strength
- Wide operating temperatures
- Dimensionally Stable
- Flame Retardant (Halogen Free)
- UV Stabilized
- Insignificant Water Absorption
- Chemical Resistant
- Resistance to Abrasion and Wear
- Resistance to Physical and Chemical Decay
- Manufactured to suit max beam sizes up to 14”
- Maintenance Free
- Can be Manufactured to Close Tolerances
- Sized to suit most pipe sizes up to 48”
- Cannot slide off beams
- Excellent electrical conductivity resistance
- Fast installation
- Can be used for most pipe support configurations, including guides, line stops, spring supports, etc.,
- Greatly reduces eccentric beam loading that can lead to oversizing of beams.
- Cannot burn and is not a source of fuel.