



“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
Mechanical Properties		
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
Flame-Resistance Properties		
UL Subject 94	UL 94	HB
Physical Properties		
Water Absorption	ASTM D570	0.2% by weight
Specific Gravity	ASTM D792	123 lbs./ft ³
Coefficient of Thermal Expansion		
Across Thickness	ASTM D696	11.62 ln/ln°C x 10 ^{^5}
Across Surface	ASTM D696	2.21 ln/ln°C x 10 ^{^5}
Thermal Conductivity	ASTM C177	Ca. 0.30 W/m ^{^2} K
NOTE: 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 400°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.