

Pyrotek MT-29P Microporous Panel Insulation

Category : Ceramic

Material Notes:

MT-29P is a unique panel insulation which offers exceptionally low thermal conductivity. The exterior of the panel is a glass fabric which maximizes the strength of the rigid interior panel. Applications Backup insulation for: Troughs Filter bowls Furnace linings Transfer crucibles Door insulation Advantages Low thermal conductivity Reduces warping of vessels and troughing Promotes greater temperature control Minimizes heat transfer Can be designed to be reused Minimizes hot face temperature of vessels Provides low shrinkage at high temperatures Not wet by molten aluminum Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-MT-29P-Microporous-Panel-Insulation.php

Physical Properties	Metric	English	Comments
Density	<= 0.288 g/cc	<= 0.0104 lb/in ³	

Mechanical Properties	Metric	English	Comments
Compressive Strength	0.200 MPa	29.0 psi	to 10% deformation
	0.600 MPa	87.0 psi	to 20% deformation
	1.10 MPa	160 psi	to 30% deformation

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0290 W/m-K	0.201 BTU-in/hr-ft ² -°F	(Standard and Hydrophobic)
	@Temperature 260 °C	@Temperature 500 °F	
	0.0420 W/m-K	0.291 BTU-in/hr-ft ² -°F	Standard
	@Temperature 537 °C	@Temperature 999 °F	
	0.0480 W/m-K	0.333 BTU-in/hr-ft ² -°F	(Hydrophobic)
	@Temperature 537 °C	@Temperature 999 °F	
Maximum Service Temperature, Air	0.0490 W/m-K	0.340 BTU-in/hr-ft ² -°F	Standard
	@Temperature 649 °C	@Temperature 1200 °F	
	0.0560 W/m-K	0.389 BTU-in/hr-ft ² -°F	Hydrophobic
	@Temperature 649 °C	@Temperature 1200 °F	
	650 °C	1200 °F	for Continuous use with standard cloth exterior
	1000 °C	1830 °F	for Continuous use with specialty cloth exterior or flexible core
	0.300 %	0.300 %	

Thermal Properties	Metric	English	Comments
	@Temperature 538 °C, Time 86400 sec	@Temperature 1000 °F, Time 24.0 hour	
	0.600 %	0.600 %	
	@Temperature 815 °C, Time 86400 sec	@Temperature 1500 °F, Time 24.0 hour	
	1.00 %	1.00 %	
	@Temperature 954 °C, Time 86400 sec	@Temperature 1750 °F, Time 24.0 hour	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China