

Skamol Group Moler 5 Aggregate Insulation

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

SKAMOL insulating aggregates have the following characteristics: Max. service temperature: Up to 900°C (1652°F) Back-up insulation Lightweight Good insulating properties Chemically inert Due to free-flowing properties Moler aggregates are ideally suitable as a loose-fill insulation for furnace cavities and double skin linings, over arched roofs and in open joints, leveling of furnace bottoms and hearths. Information provided by Skamol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Skamol-Group-Moler-5-Aggregate-Insulation.php

Physical Properties	Metric	English	Comments
Bulk Density	0.481 g/cc	0.0174 lb/in ³	As Supplied
Loss On Ignition	1.50 % @Temperature 1025 °C	1.50 % @Temperature 1877 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.160 W/m-K @Temperature 200 °C	1.11 BTU-in/hr-ft ² - °F @Temperature 392 °F	Mean temp.; BS 1902 Section 5.5 1991
	0.180 W/m-K @Temperature 400 °C	1.25 BTU-in/hr-ft ² - °F @Temperature 752 °F	BS 1902 Section 5.5 1991
	0.200 W/m-K @Temperature 600 °C	1.39 BTU-in/hr-ft ² - °F @Temperature 1110 °F	BS 1902 Section 5.5 1991
Maximum Service Temperature, Air	900 °C	1650 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	9.0 %	9.0 %	
CaO	0.80 %	0.80 %	
Fe ₂ O ₃	7.0 %	7.0 %	
K ₂ O	1.6 %	1.6 %	
MgO	1.3 %	1.3 %	
Na ₂ O	0.40 %	0.40 %	

Component Elements Properties	Metric	English	Comments
S03	1.2 %	1.2 %	
TiO2	0.70 %	0.70 %	

Descriptive Properties	Value	Comments
Color	Red-Brown	
Pyrometric Cone Equivalent	1350°C	ASTM C24-89, ORTON cones

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