



PRODUCT DATA

Brand Name: RESCORAM 60

Description: RESCORAM 60 is a high alumina, phosphate-bonded plastic that offers excellent resistance to alkali attack. Phosphate bonding allows RESCORAM 60 to develop high strength at lower temperatures.

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

Maximum Service Temperature: 3000°F (1650°C)

<u>Bulk Density (pcf)</u>	<u>Ramming Data</u>	
As Received	170	(2.72 g/cm ³)
 <u>Cold Crushing Strength (psi)</u>		
After 1500°F (815°C)	4000	(280 kg/cm ²)
After 2500°F (1370°C)	4750	(333 kg/cm ²)
After 2910°F (1600°C)	4750	(333 kg/cm ²)
 <u>Modulus of Rupture (psi)</u>		
After 1500°F (815°C)	1000	(70 kg/cm ²)
After 2500°F (1370°C)	1150	(81 kg/cm ²)
After 2910°F (1600°C)	1350	(95 kg/cm ²)
 <u>Thermal Conductivity (K Factor)</u>		
Mean Temperature	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1000°F (540°C)	7.8	1.12
1500°F (815°C)	8.2	1.18
2000°F (1093°C)	8.6	1.24
 <u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	+0.2 to +0.3	
After 2500°F (1370°C)	+1.6 to +1.8	
After 2910°F (1600°C)	+1.4 to +1.6	

Abrasion Loss (using ASTM C-704 Method)
After 1500°F (815°C) Less than 10 cc

Typical Chemical Analysis (%)
(Calcined Basis)

Alumina (Al ₂ O ₃)	61.3
Silica (SiO ₂)	29.8
Iron Oxide (Fe ₂ O ₃)	1.4
Lime (CaO)	0.1
Titania (TiO ₂)	2.2
Phosphorus Pentoxide (P ₂ O ₅)	4.6
Alkalies (Na ₂ O+K ₂ O)	0.6

Standard Packaging: 55 lb carton. 64 cartons per pallet

Brand Code: 1492

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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