

Chosun Refractories HSM-34 Heat-Setting Mortar

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chosun-Refractories-HSM-34-Heat-Setting-Mortar.php

Physical Properties	Metric	English	Comments
Grain Size	75 µm	75 µm	40% ≤ 0.075 mm
	300 µm	300 µm	5% ≥ 0.30 mm

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	1.4715 MPa	213.42 psi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	2.4525 MPa	355.71 psi	
	@Temperature 1400 °C, Time 10800 sec	@Temperature 2550 °F, Time 3.00 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	45 - 50 %	45 - 50 %	
Fe ₂ O ₃	≥ 3.0 %	≥ 3.0 %	
SiO ₂	45 - 50 %	45 - 50 %	

Processing Properties	Metric	English	Comments
Cure Time	1.00 - 3.00 min	0.0167 - 0.0500 hour	Setting Time

Descriptive Properties	Value	Comments
Main Applications	SK34 Bricks	
Refractoriness (SK)	34=	

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