

ProPlast60 Technical Datasheet

Silicon Carbide Monolithic

Product type : Monolithic, Plastic. Principal raw material: Silicon Carbide. Type of set: Heat. Nature of bond: Ceramic Mullite

Shelf Life: 6 Months

Container size: 25 Kg, supplied wet

Property	Value		Method
Typical Chemical Analysis	SiC	65,5 %	DIN EN ISO 21068 DIN 13925 DIN 51001
	SiO ₂	18,0 %	
	Al ₂ O ₃	10,0 %	
	Others	2,0 %	
Maximum Service Temperature	1450 °C		
Loss on Ignition at 800°C	5.0 %		BS 812 -2 : 1995
Particle Sizing	<4 mm		DIN EN 933-1 BS EN 933-2
Permanent Linear change at 110°C after 3hrs MST	<1 % <1 %		BS EN 993-10:1998
Rammed density	2300 Kg.m-3		
Bulk density after 3hrs MST	2.3 g.cm-3		BS EN 993-1:1995
Cold crushing strength after 3hrs MST	30 MPa		BS EN 993-5 :2000
Thermal conductivity at 800°C	2 W.m-1 K-1		BS 1902 - 5.5: 1991
Abrasion resistance at MST BS1902	70 cm ³		BS1902
Moisture, as received	10 %		IS:4031-5-1988

www.refractories.saint-gobain.com



Saint-Gobain Industrial Ceramics
Mill Lane, Rainford, St. Helens
WA11 8LP • UK
P: +44 (0) 1744 882941
F: +44 (0) 1744 884746