



Remet
Datasheet
266

SHELL ROOM -
REFRACTORY SANDS &
FLOURS

LHT FUSED SILICA

Remet's range of LHT Fused Silica Flour and Sands offer a high quality ceramic shell and final cast item.

This range of flour and sands are milled from UK deposits of silica sandstone. The sandstone is dried, milled, screened and subject to magnetic separation. Products have a very good chemical and physical consistency.

Typical Physical Properties	
Colour	White
Density (g/cc)	2.65
Bulk Density (kg/m ³)	1400
Hardness (Mohr)	7 (min)
Crystallinity (%)	0.2
Specific Gravity	2.15
Refractoriness	1750 C (min)

Nominal Sizes	
Flour	120 mesh, 200 mesh, 270 mesh (RP2, RP1)
Grit	4/10, 10/20, 20/50, 50/100 (RG3, RG2, RG1)

Typical Chemical Properties	
SiO ₂ (%)	99.95
Al ₂ O ₃ (ppm)	120
Fe ₂ O ₃ (ppm)	30
Na ₂ O + K ₂ O (ppm)	60



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YOUR CONCEPT TO CASTING PARTNER



Particle Size Distribution - Grit

Mesh	4+10 mesh	4+20 mesh	10+20 mesh	20+50 mesh	50+100 mesh	100+200 mesh
+4	0-20	0-5				
+6	20-48	5-20				
+10	29-59		0-1			
+20	2-20	70-80	80-95	0-1		
+30	0-2	0-1	2-16	25-40		
+40				32-45	<1	
+50			0-4	15-30	3-12	
+70			0-2			
+80				0-11		
+100				<1	72-87	0-5

Particle Size Distribution - Flour

Mesh	100 mesh	120 mesh	200 mesh	325 mesh
+50		<1		
+80	0-1			
+100	0-8	4-12	<1	0
+140	15-45	7-13	<1	
+150				<1
+200	10-35	10-15	0-4	<1
+270	7-30		3-9	
+325	2-12	14-20	13-20	0-2
Pan	4-20	45-55	69-81	>98

Storage and Handling

Store in a cool, dry well ventilated location.

Health and Safety

Read SDS prior to use.

Tariff Code

25051000 - Silica Sand

Packaging

25kg bags, 40 bags per pallet.

Disposal

Dispose of in compliance with all local and national regulations.

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