Thermal Ceramics
Insulating Our World

MURUGAPPA MORGAN THERMAL CERAMICS LIMITED

PRODUCT INFORMATION	CERAMIC FIBRE SHAPES

TYPE: Rigid flat and curved refractory ceramic fibre shapes

Classification temperature:

STD	: 1260 ° C
AZS	: 1400 ° C
S	: 1260 ° C
HS 45	: 1100 ° C
M 1600	: 1600 ° C
STD DX	: 1260 ° C
Paper	: 1260 ° C /1400 ° C

DESCRIPTION

Ceramic firber shapes are manufactured from Refractory fibres. Ceramic fibre shapes are designed for use in application conditions requiring superior insulating properties combined with high rigidity and mechanical strength. The above shapes can be made to suit specific requirements.

AVAILABILITY

Flat shapes: 700 mm width X 1200 mm length X 125 mm thick
Sleeves : ID 20 mm X OD 500 mm X 75 mm Thick X 300 mm length

FEATURES

- Excellent insulating performance
- Excellent thermal stability
- Low heat storage
- Resistance to thermal shock
- Good machinability
- Non wetting to Aluminum

APPLICATIONS

- Molten Aluminum Handling applications
- Transfer ladles
- Die casting
- Pouring tubes

MURUGAPPA GROUP

Morgan Crucible

Jun 2008

Thermal Ceramics
Insulating Our World

MURUGAPPA MORGAN THERMAL CERAMICS LIMITED

PRODUCT INFORMATION	CERAMIC FIBRE SHAPES

MAIN PROPERTIES

Physical Properties	STD	AZS	S	HS 45	M1600	STD DX	PAPER	BAFFLE
Classification temperature ° C	1260	1400	1260	1260	1600	1260	1260	1425
Chemical composition (%)								
Al_2O_3	> 40	> 29	> 44	49 - 54	> 70 *	> 34	> 42	> 29
SiO_2	< 60	< 55	< 56	33 - 37	< 28	< 60	< 58	< 55
ZrO_2	-	> 10	-	--	--	--	--	> 10
CaO	--	--	--	9 - 12	-	--		--
Loss on ignition %	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
Density (Nominal) kg/m^3	240	240	330	720	425	250	150	250
Availability and Packing								
Shapes & Sleeves								
Min ID 20mm Max OD 500 mm Max length 300 mm Min Wall thickness 50 mm Max wall thickness 75 mm	X	X	X	-	-	X	X	X
Min ID 20mm Max OD 500 mm Max length 300 mm Min Wall thickness 10 mm Max wall thickness 25 mm				X	X			
Thick (mm)	**Flat shapes 1200 mm Length X 700 mm width**							
Up to 30 mm								
Up to 50 mm				X	X		X	
Up to 75 mm			X					
Up to 150 mm	X	X				X		X

***** $Al_2O_3 + ZrO_2$

All above products are subjected to standard tolerances. The values given herein are typical values obtained in accordance with accepted test methods and subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes.

MURUGAPPA GROUP

Morgan Crucible

Jun 2008