MulSiC

Furnace hearth and muffle parts made of silicon carbide/Mullite composition

The relatively new generation silicon carbide and Mullite (**MulSiC**) mixture demonstrates essential advantages in comparison to pure forms of SiC or Mullite muffle parts, primarily used for furnace construction or repairs.

The essential advantage is the excellent resistance against so-called **"glazing,"** the hardening of the surface by means of glass type residues.
Pure SiC shows a long life and a high resistance against thermal shock. However, it is very susceptible to the **"glazing effect"** causing irregular granular growth, reduced passage and consequently early failure.
Pure Mullite is almost totally resistant to glazing, however, it only has a very short life, particularly with exposure to frequent temperature changes.

In cooperation with our partners we succeeded in mixing these two materials to a very specific recipe which combines the advantages of both components in one material. The result is a high-quality material with long life at an extremely attractive price.

IPSEN T4 brickwork and MulSiC

A nice couple: low price & great jobs

T65 MulSiC

Max. process temperature	2450°F
Density	160 – 170 lbs/ft³
Porosity/permeability	14 – 18 %

Excellent properties for frequent temperature changes.

EXAMPLES FOR USE:

T65 is recommended for use where a long life, high resistance against abrasion as well as a high thermal conductivity are required.

AVAILABLE FOR FOLLOWING TYPES:

T4	TQ 4	RTQ 8
T 7	TQ 5	
T 9	TQ 6	
T 11	TQ 7	
T 13	TQ 10	

AVION Manufacturing Company
2950 Westway Drive, Suite 106
Brunswick, Ohio 44212
phone (330) 220-2779
fax (330) 220-3709
web www.avionmfg.com
e-mail info@avionmfg.com