

## SPECIAL PRODUCTS FOR CERAMIC / PRODOTTI SPECIALI PER CERAMICA / PRODUITS SPECIAUX POUR CERAMIQUE / SPEZIALPRODUKTE FÜR DIE KERA

MIK

| BRAND NAME   | CHEMICAL ANALYSIS %            |      | MAIN COMPONENTS   | BD g/cm <sup>3</sup> | AP % | CCS MPa | PLC °C | PLC % | LTE °C | LTE % | NOTE                                |
|--------------|--------------------------------|------|-------------------|----------------------|------|---------|--------|-------|--------|-------|-------------------------------------|
| CER 1 MLT    | Al <sub>2</sub> O <sub>3</sub> | 50,0 | Cordierite        | 2,15                 | 23   | 30      | 1200   | 0     | 1200   | 0,3   | Thermal Shock Resistant (Kiln Cars) |
|              | Fe <sub>2</sub> O <sub>3</sub> | 1,5  | Chamotte          |                      |      |         |        |       |        |       |                                     |
|              | MgO                            | 3,0  |                   |                      |      |         |        |       |        |       |                                     |
| SIRMA 55 MF  | Al <sub>2</sub> O <sub>3</sub> | 50,0 | Chamotte          | 2,19                 | 23   | 40      | 1250   | 0     | 1250   | 0,7   |                                     |
|              | SiO <sub>2</sub>               | 45,0 |                   |                      |      |         |        |       |        |       |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | 1,2  |                   |                      |      |         |        |       |        |       |                                     |
| CERSET 44 LI | Al <sub>2</sub> O <sub>3</sub> | 45,0 | Chamotte          | 2,16                 | 22   | 30      | 1350   | 0     | 1350   | 0,8   |                                     |
|              | SiO <sub>2</sub>               | 50,0 |                   |                      |      |         |        |       |        |       |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | 1,4  |                   |                      |      |         |        |       |        |       |                                     |
| MU 300 PB    | Al <sub>2</sub> O <sub>3</sub> | 80,0 | Mullite           | 2,68                 | 18   | 50      | 1600   | 0     | 1600   | 0,5   | Thermal Shock Resistant             |
|              | SiO <sub>2</sub>               | 19,0 |                   |                      |      |         |        |       |        |       |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | 0,1  |                   |                      |      |         |        |       |        |       |                                     |
| MU 300 AB    | Al <sub>2</sub> O <sub>3</sub> | 80,0 | Mullite           | 2,68                 | 18   | 50      | 1600   | 0     | 1600   | 0,5   | Thermal Shock Resistant             |
|              | SiO <sub>2</sub>               | 19,0 |                   |                      |      |         |        |       |        |       |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | 0,1  |                   |                      |      |         |        |       |        |       |                                     |
| MU 295 AT    | Al <sub>2</sub> O <sub>3</sub> | 76,0 | Synthetic Mullite | 2,65                 | 15   | 15      | 1600   | 0,9   | 1600   | 1,0   |                                     |
|              | SiO <sub>2</sub>               | 23,0 |                   |                      |      |         |        |       |        |       |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | <0,1 |                   |                      |      |         |        |       |        |       |                                     |
| ALTEK PB     | Al <sub>2</sub> O <sub>3</sub> | 80,0 | Mullite           | 2,70                 | 16   | 70      | 1500   | 0     | 1500   | 0,7   |                                     |
|              | Fe <sub>2</sub> O <sub>3</sub> | 0,1  |                   |                      |      |         |        |       |        |       |                                     |
| SIC 915 N    | SiC                            | 78,0 | Silicon Carbide   | 2,65                 | 15   | 200     | 1500   | 0     | 1500   | 0     | Nitride Bonded (Gazettes)           |

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BD: Bulk density  
Densità apparente  
Masse volumique apparente  
Rohdichte

AP: Apparent porosity  
Porosità apparente  
Porosità ouverte  
Offene Porosität

CCS: Cold crushing strength  
Resistenza a compress. a freddo  
Résistance à l'écrasement à froid  
Kaltdruckfestigkeit

PLC: Permanent linear change  
Variazione lineare permanente  
Variation permanente de dimensions  
Bleibende lineare Längeränderung

LTE: Linear thermal expansion  
Dilatazione lineare termica  
Dilatation thermique linéaire  
Lineare Wärmedehnung

RUL: Refractoriness under load  
Resistenza alla termopress.  
Affaissement sous charge  
Druckfeuerbeständigkeit

TC: Thermal conductivity  
Conducibilità termica  
Conductivité thermique  
Wärmeleitfähigkeit