



PLASTIC REFRACTORIES / MASSE PLASTICHE / REFRACTAIRES PLASTIQUES / PLASTISCHE MASEN

| BRAND NAME | MAIN COMPONENTS | INST. | CLASS | T max PRE | GRAIN °C | CHEMICAL GR mm | MR ANALYSIS % | CCS t/m ³ | °C | PLC MPa | °C | TC % | NOTE °C | W/mK | |
|-------------------|------------------------------|-------|---------|-----------|----------|--------------------------------|---------------|----------------------|------|---------|------|------|---------|------|------|
| SIRPLAST 44 PL AB | Chamotte | R | A - 150 | 1500 | 4 | Al ₂ O ₃ | 48,0 | 2,40 | 110 | 10 | 1400 | 0,5 | 800 | 0,92 | |
| | | | | | | SiO ₂ | 49,0 | | 1400 | | | | 20 | 1000 | 0,98 |
| | | | | | | Fe ₂ O ₃ | 1,3 | | | | | | | 1200 | 1,02 |
| SIRPLAST 60 PL AB | Bauxite Chamotte | R | A - 160 | 1600 | 4 | Al ₂ O ₃ | 56,0 | 2,50 | 110 | 10 | 1500 | 1,0 | 800 | 0,96 | |
| | | | | | | SiO ₂ | 40,0 | | 1500 | | | | 25 | 1000 | 1,00 |
| | | | | | | Fe ₂ O ₃ | 1,2 | | | | | | | 1200 | 1,04 |
| SIRPLAST PH 60 | Bauxite Chamotte | R | A - 160 | 1600 | 5 | Al ₂ O ₃ | 57,0 | 2,45 | 300 | 15 | 1500 | 1,0 | 250 | 0,96 | |
| | | | | | | SiO ₂ | 37,0 | | 1500 | | | | 30 | 550 | 1,00 |
| | | | | | | P ₂ O ₅ | 3,0 | | | | | | | 800 | 1,04 |
| | | | | | | Fe ₂ O ₃ | 1,3 | | | | | | | | |
| SIRPLAST 70 PL AB | Bauxite | R | A - 160 | 1600 | 4 | Al ₂ O ₃ | 82,0 | 2,75 | 110 | 15 | 1500 | -0,7 | 800 | 1,78 | |
| | | | | | | Fe ₂ O ₃ | 1,4 | | 1500 | | | | 50 | 1000 | 1,70 |
| | | | | | | | | | | | | | | 1200 | 1,65 |
| SIRPLAST PH 70 MU | Mullite | R | A - 160 | 1600 | 5 | Al ₂ O ₃ | 73,0 | 2,65 | 300 | 35 | 1500 | 0,2 | 800 | 1,66 | |
| | | | | | | SiO ₂ | 19,0 | | 1500 | | | | 55 | 1000 | 1,58 |
| | | | | | | P ₂ O ₅ | 3,0 | | | | | | | 1200 | 1,51 |
| | | | | | | Fe ₂ O ₃ | 1,0 | | | | | | | | |
| SIRPLAST A4 PL | Bauxite Corundum | R | A - 170 | 1700 | 4 | Al ₂ O ₃ | 83,0 | 2,70 | 110 | 12 | 1600 | 1,0 | 800 | 1,81 | |
| | | | | | | Fe ₂ O ₃ | 1,5 | | 1600 | | | | 25 | 1000 | 1,74 |
| | | | | | | | | | | | | | | 1200 | 1,68 |
| SIRPLAST PH 85 | Bauxite | R | A - 170 | 1700 | 5 | Al ₂ O ₃ | 86,0 | 2,90 | 300 | 30 | 1600 | 0,5 | 800 | 1,86 | |
| | | | | | | SiO ₂ | 6,5 | | 1600 | | | | 50 | 1000 | 1,81 |
| | | | | | | P ₂ O ₅ | 2,5 | | | | | | | 1200 | 1,74 |
| | | | | | | Fe ₂ O ₃ | 1,0 | | | | | | | | |
| SIRPLAST PH 88 CR | Tabular Alumina Chrome Oxide | R | E - 170 | 1700 | 5 | Al ₂ O ₃ | 87,0 | 3,00 | 300 | 30 | 1600 | -0,7 | 800 | 1,90 | |
| | | | | | | Cr ₂ O ₃ | 9,5 | | 1600 | | | | 35 | 1000 | 1,93 |
| | | | | | | P ₂ O ₅ | 2,5 | | | | | | | 1200 | 1,98 |
| | | | | | | Fe ₂ O ₃ | 0,3 | | | | | | | | |
| SIRPLAST 90 PL AB | Corundum | R | A - 170 | 1760 | 4 | Al ₂ O ₃ | 88,0 | 2,85 | 110 | 14 | 1600 | 0,2 | 800 | 2,05 | |
| | | | | | | Fe ₂ O ₃ | 0,8 | | 1600 | | | | 35 | 1000 | 2,08 |
| | | | | | | | | | | | | | | 1200 | 2,09 |
| SIRPLAST PH 94 | Tabular Alumina | R | A - 170 | 1700 | 3 | Al ₂ O ₃ | 93,0 | 2,90 | 300 | 30 | 1600 | -1,3 | 800 | 2,05 | |
| | | | | | | SiO ₂ | 3,0 | | 1600 | | | | 50 | 1000 | 2,08 |
| | | | | | | P ₂ O ₅ | 3,0 | | | | | | | 1200 | 2,09 |
| | | | | | | Fe ₂ O ₃ | 0,2 | | | | | | | | |
| SIRPLAST PH SIC | Silicon Carbide | R | E - 170 | 1700 | 3 | SIC | 75,0 | 2,50 | 300 | 13 | 1500 | 0,0 | 800 | 9,90 | |
| | | | | | | SiO ₂ | 18,5 | | 1500 | | | | 40 | 1000 | 8,90 |
| | | | | | | Fe ₂ O ₃ | 0,5 | | | | | | | 1200 | 7,95 |



BD: Bulk density
Densità apparente
Masse volumique apparente
Rohdichte

MR: Material Required
Fabbisogno
Rendement volumique
Materialbedarf

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

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

TC: Thermal conductivity
Conducibilità termica
Conductivité thermique
Wärmeleitfähigkeit

C: Casting
Getto
Coulage
Giessen

T: Trowelling
Spatolatura
A la truelle
Spachtlen

V: Vibration
Vibrazione
Vibration
Vibrieren

R: Ramming
Pigiata
Pises
Stampfen

G: Gunning
Spruzzo
Projection
Spritzen

SF: Self Flowing
Autocolabili
Autocolables
Selbstgiessen

PC: Pumpable & Shotcreting Castables
Calcestruzzi Pompabili e per Shotcreting
Bétons Pompables et pour Shotcreting
Pumpen-Feuerbetone für Shotcreting

