

Characteristics

FSZ / EJ - ISO is a stoneware body for isostatic pressing.
Available as spray - dried granulate.

| | |
|--------------------------------------|----------------|
| Firing Colour | white - grey |
| Recommended Firing Temperature Range | 1000 - 1200 °C |

Technical Data

Unfired

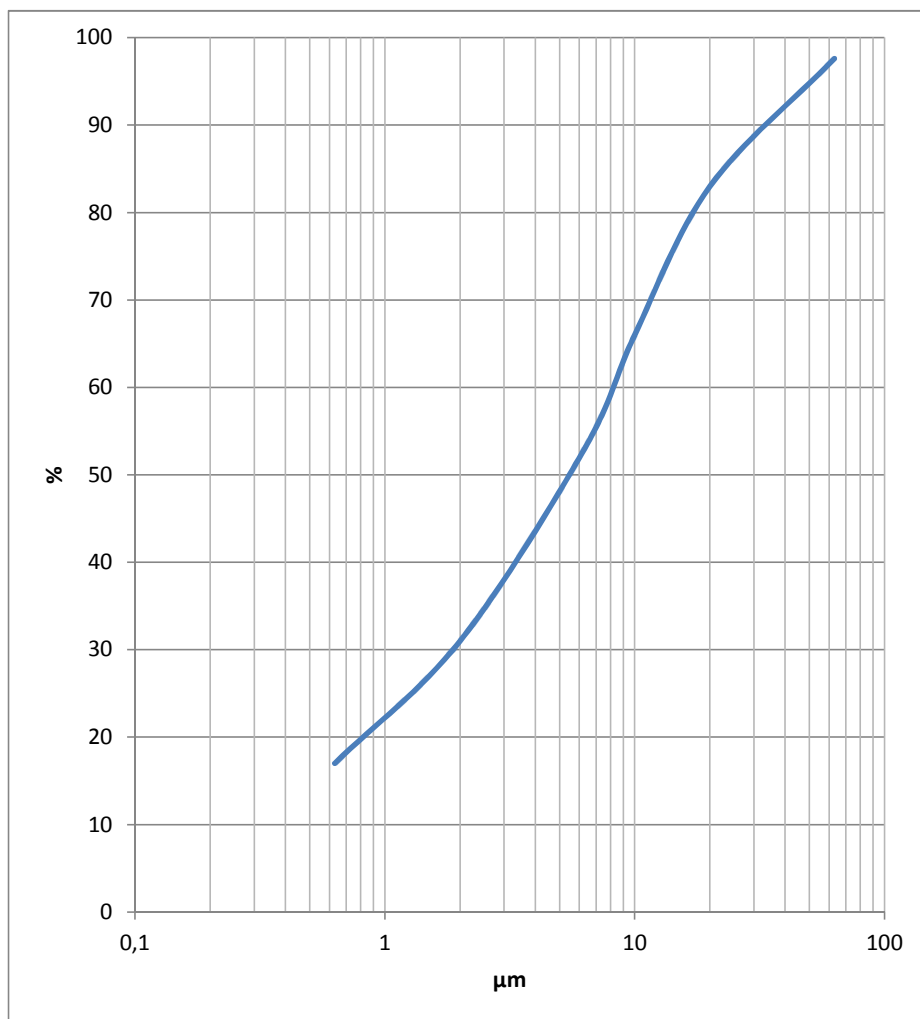
| | | | | | | | | |
|------------------------|------------------------|------------------|--------------------------------|--------------------------------|--------|---------|------------------|-------------------|
| Moisture | 2,5% spray dried (ISO) | | | | | | | |
| Chemical Analysis | SiO ₂ | TiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | MgO | K ₂ O | Na ₂ O |
| | 59,2% | 0,10% | 31,4% | 0,50% | 0,40% | 0,20% | 6,50% | 1,70% |
| Loss of Ignition | 8,5% | | | | | | | |
| Screen Analysis | >500µm | >400µm | >315µm | >200µm | >100µm | <100µm | | |
| | 5,5% | 17,3% | 38,9% | 32,7% | 7,8% | 1,0% | | |
| Sedimentation analysis | <63µm | <20µm | <10µm | <6,3µm | <2µm | <0,63µm | | |
| | 99,5% | 95,0% | 81,0% | 68,0% | 40,0% | 23,0% | | |
| | pressing | | | | | | | |

| | |
|------------------|-----|
| D50-Value [µm] | 300 |
| Flow Density | 800 |
| Flow Time | 52 |
| Residue 63µm (%) | 0,5 |

Fired

| | |
|--|-------------|
| Specimen Firing Temperature [°C] | 1180 |
| Coefficient of Thermal Expansion [x10 ⁻⁶ /°C] | |
| | 20 - 400 °C |
| | 5,8 |
| | 20 - 500 °C |
| | 6,0 |
| | 20 - 600 °C |
| | 6,2 |
| Dry to Fired Shrinkage [%] | 12,5 |
| Water Absorption [%] | 0,1 |





The technical data quoted on this sheet is indicative only. Any sale is by sample and is governed by our general conditions of sale.



KERAMISCHE MASSEN

Sibelco Deutschland GmbH
 Sälzerstraße 20
 56235 Ransbach-Baumbach
 DEUTSCHLAND

Tel.: +49 2623 8828-0

Fax: +49 2623 8828-92

E-Mail: kontakt@sibelco.de

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Amtsgericht Montabaur HRB 1581, Sitz der Gesellschaft 56235 Ransbach-Baumbach

Sibelco Deutschland GmbH
 Sälzerstraße 20, 56235 Ransbach-Baumbach, Germany
 Tel. +49 (0) 2623 83-0, Fax +49 (0) 2623 83-1499
 Geschäftsführer Michael Klaas
www.sibelco.eu