

MARYLAND REFRACTORIES COMPANY

P.O. Box 267, Salisbury Rd.

Irondale, OH 43932

800-228-4672

Cordierite Grog

Specification Sheet

Cordierite grog is produced from virgin and extra clean kiln furniture and cordierite ware. We are centrally located where cordierite slabs, setters and saggars are manufactured. Advantages of this grog are consistency, purity, low price and thermal shock resistance at moderate temperatures. Disadvantages are a limited supply and moderate temperature limit. The creamy buff color and consistent purity make cordierite grog cosmetically attractive. It is used as an additive in tile, car tops and low fire refractories.

Usual single-screened sizes are 4, 12, 48 mesh. Common double-screened sizes are 14/48 and 12/48, 8/20 and 20/0.

Typical specifications

| | |
|---------------------|-----------------------|
| Service Temperature | 2300° F |
| Color | Buff |
| Moisture | 1.0% max 0.2% typical |
| Bulk Density | 1.25 g/cc |

Typical Chemical Analysis:

| | |
|--------------------------------|-------|
| SiO ₂ | 53.00 |
| Al ₂ O ₃ | 36.00 |
| MgO | 8.50 |
| Fe ₂ O ₃ | 1.20 |
| TiO ₂ | 0.95 |
| CaO | 0.30 |
| Alkalies | 0.45 |