

Osterlene® CE-1.6-00-f

General Purpose Polystyrene

Osterman & Company

Message:

CE-1.6-00-f is a high molecular weight, low melt flow, crystal polystyrene.

The polymer is tailored for extruded foam applications such as egg cartons, meat trays and food service.

CD-1.6-00-f also makes superior oriented polystyrene sheet.

| General Information | | | |
|--------------------------------------------------------|-----------------------|-------------|-------------|
| Features | Crystal | | |
| | High Molecular Weight | | |
| | Low Flow | | |
| Uses | Foam | | |
| | Food Packaging | | |
| | Sheet | | |
| Agency Ratings | FDA 21 CFR 177.1640 | | |
| Forms | Pellets | | |
| Processing Method | Foam Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 1.6 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 2960 | MPa | ASTM D638 |
| Tensile Strength (Yield) | 52.4 | MPa | ASTM D638 |
| Flexural Modulus | 2960 | MPa | ASTM D790 |
| Flexural Strength | 97.9 | MPa | ASTM D790 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Annealed) | 100 | °C | ASTM D648 |
| Vicat Softening Temperature | 107 | °C | ASTM D1525 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating | HB | UL 94 | |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

