Osterlene® HE-3.8-2.9

High Impact Polystyrene

Osterman & Company

Message:

HE-3.8-2.9 is a high impact polystyrene designed for extrusion/thermoforming applications that require exceptional resistance to attack from fats and oils. This material is used for lids and containers for salad dressings, gravies, and high fat dairy products.

Features Food Contact Acceptable High Impact Resistance Oil Resistant Uses Containers Lids Non-specific Food Applications Agency Ratings FDA 21 CFR 177.1640 Forms Pellets Processing Method Extrusion Thermoforming Physical Nominal Value Unit Test Method Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) 3.8 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Modulus 1590 MPa ASTM D638 Tensile Strength (Yield) 17.2 MPa ASTM D638 Tensile Strength (Yield) 1650 MPa ASTM D790 Flexural Modulus 1650 MPa ASTM D790 Flexural Strength Nominal Value Unit Test Method Tensile Congration (Break) 1650 MPa ASTM D790 Flexural Strength Nominal Value Unit Test Method Tensile Congration (Break) 1650 MPa ASTM D790 Flexural Strength Nominal Value Unit Test Method Motched Izod Impact Nominal Value Unit Test Method Deflection Temperature Under Load (0.45		
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Thermal Nominal Value Unit Test Method		
Deflection Temperature Under Load (0.45		
MPa, Annealed) 94.4 °C ASTM D648		
Vicat Softening Temperature 98.3 °C ASTM D1525		
Flammability Nominal Value Test Method		
Flame Rating HB UL 94		
Optical Nominal Value Test Method		
Gardner Gloss (60°) 60 ASTM D523		

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