

NIZHNEKAMSKNEFTEKHIM 825EF High Impact Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Grade 825EF is a high impact polystyrene designed for extrusion and hot molding application. It is suited for hot molded deep drawn industrial packages and multilayer shaped sheet production via extrusion. Resistant to cyclopentane effect. Information provided by manufacturer

Order this product through the following link:

http://www.lookpolymers.com/polymer_NIZHNEKAMSKNEFTEKHIM-825EF-High-Impact-Polystyrene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Melt Flow | 3.0 - 5.0 g/10 min @Load 5.00 kg, Temperature 200 °C | 3.0 - 5.0 g/10 min @Load 11.0 lb, Temperature 392 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|--------------|------------------|-----------|
| Tensile Strength at Break | >= 20.0 MPa | >= 2900 psi | ASTM D638 |
| Elongation at Break | >= 45 % | >= 45 % | ASTM D638 |
| Flexural Strength | >= 38.0 MPa | >= 5510 psi | ASTM D790 |
| Izod Impact, Notched | >= 1.01 J/cm | >= 1.89 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|------------|-----------|------------|
| Vicat Softening Point | >= 88.0 °C | >= 190 °F | ASTM D1525 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|----------------|
| Gloss | 48 % | 48 % | 60°; ASTM D523 |

| Chemical Properties | Metric | English | Comments |
|---------------------|------------|------------|-------------------|
| Styrene Content | <= 0.050 % | <= 0.050 % | p. 4.10 of the TU |

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