



Moplen EP640S

Polypropylene, Impact Copolymer

Product Description

Moplen EP640S is a polypropylene impact copolymer manufactured using the Spheripol process. This grade is known for its optimized balance of stiffness and toughness. Potential applications include injection molding of electrical appliance parts, thin-wall packaging, and general housewares.

Product Characteristics

| | |
|-------------------------------|--|
| Status | Commercial: Restricted |
| Test Method used | ASTM |
| Availability | Asia-Pacific, Australia/NZ, Africa-Middle East |
| Processing Methods | Injection Molding |
| Features | Impact Copolymer, Good Impact Resistance , High Stiffness |
| Typical Customer Applications | Appliances, Automotive Parts, Housewares, TWIM Food Containers, TWIM Non-food Containers |

| Typical Properties | Method | Value | Unit |
|-------------------------------|-------------|-------|----------|
| Physical | | | |
| Density -Specific Gravity | ASTM D 792 | 0.9 | g/cm³ |
| Melt Flow Rate (230°C/2.16kg) | ASTM D 1238 | 40 | g/10 min |
| Note: ASTM D1238L | | | |
| Mechanical | | | |
| Flexural Modulus | ASTM D 790 | 16000 | lb/ft³ |
| Tensile Strength @ Yield | ASTM D 638 | 280 | kg/cm² |
| Tensile Elongation @ Yield | ASTM D 638 | 4 | % |
| Impact | | | |
| Notched Izod Impact | ASTM D 256 | | |
| (23 °C) | | 8 | kg-cm/cm |
| (-20 °C) | | 4 | kg-cm/cm |
| Hardness | | | |
| Rockwell Hardness (R Scale) | ASTM D 785 | 98 | |

Notes

Typical properties; not to be construed as specifications.