(+) 188 1699 6168 hongrunplastics.com

Technical Data Sheet

Moplen EP545L

Polypropylene, Impact Copolymer



Product Description

Moplen EP545L is a fully forumulated polypropylene impact copolymer resin with enhanced stiffness, good flowability for short cycle time, high slip to resist dust and dirt pick-up. Typical customer applications are caps and closures, containers, and toys.

Application Caps & Closures; Housewares; Opaque Containers

Market Consumer Products; Rigid Packaging

Processing Method Injection Molding

Attribute Contains Antistat; Good Impact Resistance; Good Stiffness; High Strength; Nucleated

| | Nominal | Units | Test Method |
|---------------------------------------|---------|----------|-------------|
| Typical Properties | Value | | |
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 6 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm³ | ASTM D792 |
| Mechanical | | | |
| Flexural Modulus | 1480 | MPa | ASTM D790 |
| Tensile Strength at Yield | 31 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 7 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact Strength, (23 °C) | 77 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load | 115 | °C | ASTM D648 |
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