

Technical Data Sheet

Moplen EP540V



Polypropylene, Impact Copolymer

Product Description

Moplen EP540V is a polypropylene impact copolymer, with very high melt flow, low warpage, low odor, and good stiffness-impact balance. Typical applications are component of compounds for moulding automotive interior and exterior parts like door panels and bumper fascia, direct injection moulding of multimedia packaging like DVD cases, and injection moulding of general housewares and thin wall containers.

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|--------------------------|---|
| Application | Bumpers; Exterior Automotive Applications; Housewares; Interior Automotive Applications; Multi Media Packaging; Opaque Containers |
| Market | Automotive; Consumer Products; Rigid Packaging |
| Processing Method | Injection Molding |
| Attribute | High Flow; Impact Copolymer; Low to No Odor; Low Warpage |

| Typical Properties | Nominal Value | Units | Test Method |
|----------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 110 | g/10 min | ASTM D1238 |
| Density | 0.90 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Flexural Modulus | 1600 | MPa | ASTM D790 |
| Tensile Strength at Yield | 24 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 4 | % | ASTM D638 |
| Impact | | | |
| Notched Izod Impact Strength | | | |
| (23 °C) | 40 | J/m | ASTM D256 |
| (-20 °C) | 30 | J/m | ASTM D256 |