

Technical Data Sheet

Moplen EP600V



Polypropylene, Impact Copolymer

Product Description

Moplen EP600V is an ultra high fluidity, heterophasic copolymer, suitable for thin walled injection moulding applications and as base resin for compounding applications. The product combines a good stiffness with good impact resistance, even at sub-zero temperatures. In addition a good dimensional stability is given. *Moplen EP600V* is used for items with long flow paths as well as for long glass fibre reinforced recipes (GMT/LFT). *Moplen EP600V* contains neither nucleation agents nor antistaticums or slip/antiblock agents.

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| Application | Containers; Housewares; Sports, Leisure & Toys; TWIM Food Containers |
| Market | Compounding; Consumer Products; Rigid Packaging |
| Processing Method | Compounding; Injection Molding |
| Attribute | Good Impact Resistance; Good Stiffness; High Flow; Impact Copolymer; Low Temperature Impact Resistance |

| Typical Properties | Nominal Value | Units | Test Method |
|--|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 100 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 1250 | MPa | ISO 178 |
| Tensile Modulus | 1300 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 26 | MPa | ISO 527-1, -2 |
| Tensile Strain at Yield | 5 | % | ISO 527-1, -2 |
| Impact | | | |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 4 | kJ/m ² | ISO 179 |
| Thermal | | | |
| Vicat Softening Temperature, (A50) | 152 | °C | ISO 306 |
| DSC Melting Point | 163 | °C | DSC |