

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.

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