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. For regulatory compliance information see *Moplen* EP600V Regulatory Affairs Product Stewardship Information/Certification Data Sheet (RAPIDS)
It is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Features	Impact Copolymer, High Flow , Good Impact Resistance , Low Temperature Impact Resistance, Low to No Odor, Good Stiffness

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	100	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	135	cm³/10min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Break	ISO 527-1, -2	10	%
Tensile Strain at Yield	ISO 527-1, -2	7	%
Flexural modulus (23 °C, 0,05 in/min, 1 %)	ISO 178	1450	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	4	kJ/m²
Hardness			
Rockwell Hardness (R-Scale)	ISO 2039-2	72	
Thermal			
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	152	°C
Accelerated oven ageing (Forced Circulation, 150 °C)	ISO 4577	360	hr

Notes

Typical properties; not to be construed as specifications.