

Technical Data Sheet

Moplen HP500V



Polypropylene, Homopolymer

Product Description

Moplen HP500V is an ultra high fluidity homopolymer polypropylene suitable for thin walled injection moulding applications and as base resin for compounding applications. The product combines a high stiffness with good impact resistance. In addition a good dimensional stability is given.

Moplen HP500V is used for items with long flow paths as well as for long glass fibre reinforced recipes (GMT/LFT). Moplen HP500V contains neither nucleation agents nor antistaticums or slip/antiblock agents.

Market	Pipe
Processing Method	Injection Molding
Attribute	High Flow; High Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	120	g/10 min	ISO 1133-1
Density	0.91	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	34	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	>=2	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	150	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2