Technical Data Sheet

Moplen 2000HEXP

Polypropylene, Impact Copolymer

Product Description

Moplen 2000HEXP is a medium fluidity heterophasic copolymer grade for injection moulding applications.
It exhibits an excellent impact performance, particularly at low temperature, combined with a good processability.
Moplen 2000HEXP can be used in luggage, closures and it is an ideal bulding block for technical compounding. It offers a good solution for interior and exterior parts in Automotive compounds.
It is not intended for medical and pharmaceutical applications.
The grade is available in natural, pellet form.

Application	Automotive Parts; Luggage
Market	Compounding; Rigid Packaging
Processing Method	Compounding; Injection Molding
Attribute	Block Copolymer; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Density	0.89	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Modulus	1000	MPa	ISO 527-1, -2
Tensile Stress at Break	14	MPa	ISO 527-1, -2
Tensile Stress at Yield	19	MPa	ISO 527-1, -2
Tensile Strain at Break	100	%	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)	17	kJ/m²	ISO 179
(0 °C)	10	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	8	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	140	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	84	°C	ISO 75B-1, -2
DSC Melting Point	163	°C	DSC