Technical Data Sheet

Moplen EP140R

Polypropylene, Impact Copolymer

Product Description

Moplen EP140R 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 EP140R 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
Market	Automotive
Processing Method	Compounding; Injection Molding
Attribute	Good Flow; High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	22	g/10 min	ISO 1133-1
Density	0.89	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	650	MPa	ISO 178
Tensile Modulus	600	MPa	ISO 527-1, -2
Tensile Stress at Break	10	MPa	ISO 527-1, -2
Tensile Stress at Yield	13	MPa	ISO 527-1, -2
Tensile Strain at Break	100	%	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	65	kJ/m²	ISO 179
(0 °C)	30	kJ/m²	ISO 179
(-20 °C, Type 1, Edgewise, Notch A)	14	kJ/m²	ISO 179
(-30 °C)	10	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	130	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	80	°C	ISO 75B-1, -2