

Technical Data Sheet

Moplen HP556E

Polypropylene, Homopolymer

Product Description

Moplen HP556E is a polypropylene homopolymer used for extrusion and blow moulding applications. *Moplen* HP556E is formulated with an enhanced process stabilisation package providing low water-carry-over during processing on strapping lines. *Moplen* HP556E is used for the production of straps, sheets, pipes and technical injection-moulded items.

This grade is not intended for medical and pharmaceutical applications.

Application	Bags & Pouches; Barrier Film; Strapping
Market	Flexible Packaging; Industrial Packaging; Rigid Packaging
Processing Method	Blown Film; Compounding; Extrusion Blow Molding; Extrusion Flat-die; Sheet; Sheet and Profile Extrusion
Attribute	High Molecular Weight; High Strength; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.8	g/10 min	ISO 1133-1
Density	0.900	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	28	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	600	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	156	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	100	°C	ISO 75B-1, -2