

Technical Data Sheet

Moplen HP500S



Polypropylene, Homopolymer

Product Description

Moplen HP500S is a polypropylene homopolymer.

Moplen HP500S is suitable for injection moulding applications and can be used in technical compounds as Homo building block with a good fluidity.

It is supplied in pelletized form.

Market

Compounding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	40	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1600	MPa	ISO 178
Tensile Modulus	1700	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	37	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	3	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	150	°C	ISO 306