

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.

Status	Commercial: Active
Availability	Africa-Middle East; Europe
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			
Tensile Modulus	1500	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	21	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	33	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	760	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	9	%	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