

Technical Data Sheet

Moplen HP500W



Polypropylene, Homopolymer

Product Description

Moplen HP500W is a polypropylene homopolymer. Moplen HP500W is suitable for injection moulding applications and can also be used in technical compounds as a flow modifier. It has a very high melt flow rate, a narrow molecular weight distribution and it is supplied in pelletized form.

Application	Automotive Parts; Polymer Modifier; TWIM Food Containers
Market	Automotive; Compounding
Processing Method	Injection Molding
Attribute	High Flow; Low Viscosity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	150	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1500	MPa	ISO 178
Tensile Modulus	1600	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	35	MPa	ASTM D638
Tensile Strain at Yield, (23 °C)	8	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
DSC Melting Point	164	°C	DSC