



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.

For regulatory information please refer to Moplen HP500W Product Stewardship Bulletin (PSB).

Moplen HP500W is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Injection Molding
Features	High Flow , Low Viscosity
Typical Customer Applications	Automotive Parts, Polymer modifier, TWIM Food Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	150	g/10 min
Mechanical			
Tensile Modulus (Secant)	ISO 527-1, -2	1550	MPa
Tensile Stress at Break	ISO 527-1, -2	32.7	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	34.8	MPa
Tensile Strain at Break	ISO 527-1, -2	14.8	%
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	8.2	%
Flexural modulus	ISO 178	1580	MPa
Impact			
Charpy unnotched impact strength	ISO 179		
(-30, Type 1, Edgewise)		13	kJ/m ²
(0, Type 1, Edgewise)		18.5	kJ/m ²
(23 °C, Type 1, Edgewise)		65	kJ/m ²
Thermal			
Vicat softening temperature A/50	ISO 306	153	°C
<i>Note: 10 N - 50°C/h</i>			

Notes

Typical properties; not to be construed as specifications.