

Technical Data Sheet

Moplen HP3818

Polypropylene, Homopolymer

Product Description

Moplen HP3818 is a homopolymer suitable for injection moulding applications. It exhibits a high fluidity combined with a good stiffness. Moplen HP3818 is suitable for food contact.

The grade being in development, this is a preliminary datasheet subjected to changes after product industrialization.

This grade is not intended for medical and pharmaceutical applications.

Application	Furniture; Housewares
Market	Consumer Products
Processing Method	Injection Molding
Attribute	Good Stiffness; High Flow; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	34	cm ³ /10 min	ISO 1133-1
Density	0.905	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1350	MPa	ISO 527-1, -2
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Thermal			
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2