

Technical Data Sheet

Moplen HF501N



Polypropylene, Homopolymer

Product Description

Moplen HF501N is a non pelletized homopolymer powder. The product is non stabilized. When pelletized and additivated *Moplen* HF501N is suitable for injection moulding.

The main applications for HF501N are mineral filled compounds, colour and additives masterbatches, furnitures. The properties reported below are measured on the pelletized and additivated resin.

This grade is not intended for medical and pharmaceutical applications.

Market	Compounding
Processing Method	Compounding
Attribute	Medium Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	1550	MPa	ISO 527-1, -2
Tensile Stress at Yield	35	MPa	ISO 527-1, -2
Tensile Strain at Break	>50	%	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	3	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (A50)	155	°C	ISO 306