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Technical Data Sheet

Moplen HP521M



Polypropylene, Homopolymer

Product Description

Moplen HP521M is a polypropylene homopolymer manufactured with good optical properties, good stiffness, and good processability. Typical customer applications include general purpose and metallizable cast film, as well as food and clothes packaging.

Application	Food Packaging Film; Lamination Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Good Processability; Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1600	MPa	ASTM D790
Tensile Strength at Yield	36	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	30	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	100		ASTM D785
Thermal			
Vicat Softening Point	155	°C	ASTM D1525
Deflection Temperature Under Load, (0.46 N/mm ²)	110	°C	ASTM D648