

Technical Data Sheet

Moplen HP400M

Polypropylene, Homopolymer



Product Description

Moplen HP400M is a general purpose polypropylene homopolymer resin, with good processability, and low odor transfer. Typical customer applications are closures, housewares, toys, and containers.

Application Caps & Closures; Food Packaging Film; Housewares; Lamination Film; Opaque

Containers; Sports, Leisure & Toys

Market Consumer Products; Rigid Packaging

Processing Method Cast Film; Injection Molding

Attribute General Purpose; Good Strength; Homopolymer

	Nominal		
Typical Properties	Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	7.5	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1450	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	27	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load	96	°C	ASTM D648