

Technical Data Sheet

Moplen HP480S



Polypropylene, Homopolymer

Product Description

Moplen HP480S is a polypropylene homopolymer with good flowability, good dimensional stability, good impact and stiffness balance and good surface finish. Typical applications include CD and DVD Casings, houseware, containers, toys, and thin wall injection moulded articles.

Application	Housewares; Multi Media Packaging; Opaque Containers
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Good Impact Resistance; Good Processability; Good Stiffness; Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	40	g/10 min	ASTM D1238
Density	0.90	g/cm ³	ASTM D792
Mechanical			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	35	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	20	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load, (0.46 N/mm ²)	110	°C	ASTM D648