



Moplen HP500D

Polypropylene, Homopolymer

Product Description

Moplen HP500D is a high molecular weight homopolymer, for processing by extrusion processes. This grade is specifically designed for melt phase thermoforming with good stiffness and low sagging tendency. Typical applications of Moplen HP500D include food trays, containers, sheets.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Extrusion Pipe Sheet and Semi Finished Products, Extrusion Thermoforming
Features	Homopolymer, High Molecular Weight, High Stiffness
Typical Customer Applications	Clear Containers, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.9	sp gr 23/23°C
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	0.5	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1560	MPa
Tensile Strength @ Yield	ASTM D 638	35	MPa
Tensile Elongation @ Yield	ASTM D 638	12	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	104	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	103	°C

Notes

Typical properties; not to be construed as specifications.