



Moplen HP544T

Polypropylene, Homopolymer

Product Description

Moplen HP544T is a polypropylene homopolymer. With its high flow, excellent dimensional stability, and good surface finish, this grade is especially suitable for thin wall injection molding. Its ease of processing creates parts with lower built-in stress, thereby allowing greater flexibility in part design. Potential end use applications include fast cycle injection moulding of food containers, drinking cups, thin wall cylinders, and complex items.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Injection Molding
Features	Good Dimensional Stability, Low to No Odor, Good Processability
Typical Customer Applications	Housewares

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.90	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	60	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1700	MPa
Tensile Strength @ Yield	ASTM D 638	37	MPa
Tensile Elongation @ Yield	ASTM D 638	9	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	26	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	119	°C

Notes

Typical properties; not to be construed as specifications.