



Moplen HP553R

Polypropylene, Homopolymer

Product Description

Moplen HP553R is a Homopolymer for staple fibres and filament production. It can be evaluated for applications in which good resistance to gas-fading is needed. It can be used also for injection moulding.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Continuous Filament/Spinning, Injection Molding, Staple Fibre
Features	Medium Flow, Gas-fading Resistant, Homopolymer, Good Processability
Typical Customer Applications	Filament Yarn, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity <i>Note: ASTM D792B</i>	ASTM D 792	0.90	g/cm ³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	22	g/10 min
Mechanical			
Flexural Modulus <i>Note: ASTM D790A</i>	ASTM D 790	1500	MPa
Tensile Strength @ Yield	ASTM D 638	34	MPa
Tensile Elongation @ Yield	ASTM D 638	10	%
Impact			
Notched Izod Impact (23 °C) <i>Note: ASTM D256A</i>	ASTM D 256	20	J/m
Thermal			
Heat deflection temperature at 0.46 N/mm ²	ASTM D 648	98	°C

Notes

Typical properties; not to be construed as specifications.