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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 MethodsContinuous 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	ASTM D 792	0.90	g/cm³
Note: ASTM D792B			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	22	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1500	MPa
Note: ASTM D790A			
Tensile Strength @ Yield	ASTM D 638	34	MPa
Tensile Elongation @ Yield	ASTM D 638	10	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	20	J/m
Note: ASTM D256A			
Thermal			
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	98	°C

Notes

Typical properties; not to be construed as specifications.