

## Technical Data Sheet

### *Moplen* HP552R PF



Polypropylene, Homopolymer

#### Product Description

*Moplen* HP552R PF is a polypropylene homopolymer suitable for extrusion applications. *Moplen* HP552R PF is formulated with an anti-gasfading stabilisation package. *Moplen* HP552R PF is used for the production of bulk continuous filaments and fine denier staple fibres. Typical applications are carpet, upholstery, ropes etc.

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Bulk Continuous Filament & Continuous Filament; Filament Yarn
<b>Market</b>	Textile
<b>Processing Method</b>	Continuous Filament/Spinning; Injection Molding; Staple Fiber
<b>Attribute</b>	Gas-fading Resistant

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density	0.900	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	1350	N/mm <sup>2</sup>	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	23	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	33	N/mm <sup>2</sup>	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	700	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	11	%	ISO 527-1, -2
<b>Thermal</b>			
Vicat Softening Temperature, (A50)	151	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2