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.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	25	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1350	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	23	N/mm²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	33	N/mm²	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
Thermal			
Vicat Softening Temperature, (A50)	151	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	85	°C	ISO 75B-1, -2