

Technical Data Sheet

Moplen HP551R



Polypropylene, Homopolymer

Product Description

Moplen HP551R is a homopolymer suitable for extrusion applications. This grade is formulated with anti gas fading stabilisation package. Moplen HP551R is used for production of continuous filaments (CF), Bulk continuous filaments (BCF) and staple fibres.

Typical applications are carpet, upholstery, ropes etc.

Application	Bulk Continuous Filament & Continuous Filament; Filament Yarn
Market	Textile
Processing Method	Continuous Filament/Spinning; 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
Melt Volume Flow Rate, (230 °C/2.16 kg)	34	cm ³ /10 min	ISO 1133-1
Mechanical			
Flexural Modulus	1350	MPa	ISO 178
Tensile Stress at Yield	32	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A/50)	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	97	°C	ISO 75B-1, -2