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Technical Data Sheet

Moplen HP3320

Polypropylene, Homopolymer

Product Description

Moplen HP3320 is a polypropylene homopolymer used for extrusion applications. *Moplen* HP3320 has a very narrow molecular weight distribution and is formulated with an anti-gasfading stabilisation package. *Moplen* HP3320 is used for the production of high-tenacity filaments and spunbond nonwovens.

Status	Developmental
Availability	Africa-Middle East; Asia-Pacific; Europe
Application	Absorption & Filtration; Filament Yarn; Furniture & Buildings; Geotextile & Agriculture; Hygiene Nonwoven; Nonwovens; Wipes/Tissues
Market	Textile
Processing Method	Continuous Filament/Spinning; Fibers; Spunbond
Attribute	Controlled Rheology; Gas-fading Resistant; High Strength; Homopolymer; Narrow Molecular Weight Distribution

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	12	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1150	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	21	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)	153	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	74	°C	ISO 75B-1, -2