



Moplen HP462S

Polypropylene, Homopolymer

Product Description

Moplen HP462S is a very narrow Molecular Weight Distribution homopolymer, suitable for extrusion applications. Moplen HP462S is designed for production of continuous filaments. Typical applications are HTY and spunbond nonwoven.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Continuous Filament/Spinning
Features	Controlled Rheology, Gas-fading Resistant, Homopolymer, Narrow Molecular Weight Distribution
Typical Customer Applications	Filament Yarn, Furniture & Buildings, Geotextile & Agriculture, Hygiene Nonwoven, Nonwoven Spunbond, Protective Clothes

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR)	ISO 1133	36	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1450	MPa
Tensile Stress at Yield	ISO 527-1, -2	34	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	8	%
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	90	°C
		154	°C

Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

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body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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