



## 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

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt flow rate (MFR)	ISO 1133	36	g/10 min
<b>Mechanical</b>			
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	%
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Vicat softening temperature	ISO 306		
(B50 (50°C/h 50N))		90	°C
(A50 (50°C/h 10N))		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
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Users should review the applicable Material Safety Data Sheet before handling the product.

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