

## Moplen HP462R

**Polypropylene, Homopolymer**

### Product Description

Moplen HP462R is used in extrusion applications. It has a very narrow molecular weight distribution and it is formulated with an anti-gasfading stabilisation package. Moplen HP462R is used in the production of continuous filaments. Typical applications are high-tenacity yarns (HTY) and spunbond nonwovens.

### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Asia-Pacific, Africa-Middle East
<b>Processing Method</b>	Continuous Filament/Spinning, Spun Bond
<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, Wipes/Tissues

Typical Properties	Method	Value Unit
<b>Physical</b>		
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	25 g/10 min
Melt volume flow rate (230°C/2.16 kg)	ISO 1133	34 cm <sup>3</sup> /10min
<b>Mechanical</b>		
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	10 %
Flexural modulus	ISO 178	1450 MPa
<b>Thermal</b>		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	97 °C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	151 °C
(B50 (50°C/h 50N))		92 °C

### Notes

Typical properties; not to be construed as specifications.

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Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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