

## Technical Data Sheet

### Metocene HM562S



Metallocene PP Homopolymer

#### Product Description

Metocene HM562S is a metallocene-catalyzed homopolymer with a very narrow molecular weight distribution, suitable for fiber extrusion application. It is formulated with an anti-gas fading stabilization package. It can be advantageously processed in different spinning technologies.

Typical applications are spunbond nonwovens and continuous filaments such as partially-oriented yarns(POY). Metocene HM562S expands processing capabilities to achieve unmatched properties balances. It allows faster spinning and lower denier filaments. Additional advantages of Metocene HM562S are low volatiles and low processing smokes.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Filament Yarn; Furniture & Buildings; Geotextile & Agriculture; Hygiene Nonwoven; Protective Clothes
<b>Market</b>	Textile
<b>Processing Method</b>	Continuous Filament/Spinning; Spunbond
<b>Attribute</b>	Controlled Rheology; Gas-fading Resistant; Homopolymer; Narrow Molecular Weight Distribution

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
<b>Impact</b>			
Notched Izod Impact Strength, (23 °C)	30	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	104		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> )	110	°C	ASTM D648

#### Notes

These are typical property values not to be construed as specification limits.