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 advantagesf of Metocene HM562S are low volatiles and low processing smokes.

Application	Filament Yarn; Furniture & Buildings; Geotextile & Agriculture; Hygiene Nonwoven; Protective Clothes
Market	Textile
Processing Method	Continuous Filament/Spinning; Spunbond
Attribute	Controlled Rheology; Gas-fading Resistant; Homopolymer; Narrow Molecular Weight Distribution

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ASTM D1238
Density	0.90	g/cm³	ASTM D792
Mechanical			
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Impact			
Notched Izod Impact Strength, (23 °C)	30	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	104		ASTM D785
Thermal			
Deflection Temperature Under Load, (0.46 N/mm²)	110	°C	ASTM D648