Moplen HP563S

Polypropylene, Homopolymer

Product Description

Moplen HP563S is a polypropylene homopolymer manufactured using the Spheripol process. Its has excellent drawability and spinnability properties, and is particularly suitable for production of fine denier spunbond non-wovens. Potential end use applications include diapers and sanitary napkins, apparel covers, wet tissues, shopping bags and agricultural-use textiles. Moplen HP563S can be evaluated in applications that need Anti-Gas Fading performance.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Continuous Filament/Spinning, Spun Bond
Features	Gas-fading Resistant, Homopolymer, Narrow Molecular Weight Distribution
Typical Customer Applications	Hygiene Nonwoven, Wipes/Tissues

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg) *Note*: ASTM D1238L	ASTM D 1238	38	g/10 min
Density	ASTM D 1505	0.9	g/cm³
Mechanical			
Flexural Modulus	ASTM D 790	15000	kg/cm²
Tensile Strength @ Yield	ASTM D 638	380	kg/cm²
Tensile Elongation @ Yield	ASTM D 638	8	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	3	kg-cm/cm
Hardness			
Rockwell Hardness (R Scale)	ASTM D 785	98	
Thermal			
Heat deflection temperature at 0.46 N/mm2	ASTM D 648	100	°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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