



## 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

Test Method used	ASTM
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
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg) <i>Note: ASTM D1238L</i>	ASTM D 1238	38	g/10 min
Density	ASTM D 1505	0.9	g/cm <sup>3</sup>
<b>Mechanical</b>			
Flexural Modulus	ASTM D 790	15000	kg/cm <sup>2</sup>
Tensile Strength @ Yield	ASTM D 638	380	kg/cm <sup>2</sup>
Tensile Elongation @ Yield	ASTM D 638	8	%
<b>Impact</b>			
Notched Izod Impact (23 °C)	ASTM D 256	3	kg-cm/cm
<b>Hardness</b>			
Rockwell Hardness (R Scale)	ASTM D 785	98	
<b>Thermal</b>			
Heat deflection temperature at 0.46 N/mm <sup>2</sup>	ASTM D 648	100	°C