

Moplen HP563S

Polypropylene Homopolymer

PolyMirae

Message:

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.

General Information			
Additive	Anti-smoke fade		
Features	Homopolymer		
	Resistance to gas fading		
	Narrow molecular weight distribution		
Uses	Bags		
	Spunbond nonwoven fabric		
	Textile applications		
	Agricultural application		
Forms	Particle		
Processing Method	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	38	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Yield)	8.0	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648

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