

HP565S

Homopolymer

Description:

HP565S is a high melt flow rate homopolymer with a narrow molecular weight distribution for the high speed production of low denier continuous filament for spun-bonded, nonwoven fabrics. The major applications for spunbonded fabrics made of HP565S are diapers, medical and sanitary tissues, protective fabrics for agricultural, industrial and medical applications, backings and linings for the furniture and carpet industries. This grade can also be used for the production of partially oriented yarn and bulked continuous filament. HP565S is suitable for food contact.

Typical Applications

- Spun-bonded, nonwoven fabrics
- Fabrics for diapers, medical and sanitary tissues
- Protective fabrics for agricultural, industrial and medical applications
- Backings and linings for the furniture and carpet industries
- Oriented yarn and bulked continuous filament

Features: High melt flow, Narrow molecular weight distribution

Suitable for: Fiber Extrusion (CF and BCF)

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	38	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1250	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Rockwell Hardness	95	R Scale	ASTM D785
Vicat softening point (10 N)	151	°C	ASTM D1525
H.D.T. (0.46 MPa)	91	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	250	h	ASTM D3012

* Typical values; not to be considered as product specification.