

Sasol Polymers PP HSV103

Polypropylene Homopolymer

Sasol Polymers

Message:

- Features
- High flow
- Narrow molecular weight distribution
- Offers easy extrusion processability when used for producing:
- Spunbonded non-woven materials
- BCF carpet yarn on in-line or two stage spin / draw / wind or short spin / warp draw / wind processes
- Continuous filament (CF) on multi position spin / draw / wind processes
- Applications
- Extrusion
- Spunbond fabric for industrial applications (roofing membranes, geotextiles)
- Spunbond fabrics for hygiene applications (nappy liners, medical gowns and masks)
- Carpet yarns
- Extrusion coating of woven PP cloth
- Hair braids

General Information	
Additive	Anti-gas fading Processing Stabilizer
Features	Food Contact Acceptable Gas-fading Resistant Good Processability Good Processing Stability High Flow Homopolymer Narrow Molecular Weight Distribution
Uses	BCF Yarn Fabrics Filaments Industrial Applications Spunbond Nonwovens Wovens Coatings
Agency Ratings	EC 1935/2004 FDA 21 CFR 177.1520(a)(3)(i)(c)(1) FDA 21 CFR 177.1520(c) 3.1a
Forms	Pellets
Processing Method	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	30	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	68.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	32.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	8.5	%	
Break	> 50	%	
Flexural Modulus	1350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	83.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A120
--	88.0	°C	ISO 306/B120
Melting Temperature	163	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Hopper Temperature	40.0 to 60.0	°C	
Cylinder Zone 1 Temp.	200 to 280	°C	
Cylinder Zone 2 Temp.	240 to 280	°C	
Cylinder Zone 3 Temp.	240 to 280	°C	
Cylinder Zone 4 Temp.	240 to 280	°C	
Cylinder Zone 5 Temp.	220 to 280	°C	
Melt Temperature	220 to 280	°C	
Die Temperature	220 to 240	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT