

Sasol Polymers PP HMR100

Polypropylene Homopolymer

Sasol Polymers

Message:

- Features
- Medium flow
- Suitable for use in a wide range of injection moulding products
- Applications
- Injection moulding
- Caps and closures
- Outdoor furniture
- Cosmetic and toiletry components
- Household and domestic articles

General Information			
Additive	Unspecified additive		
Features	Homopolymer		
	Medium liquidity		
	Compliance of Food Exposure		
Uses	Outdoor furniture		
	Shield		
	Cosmetics		
	Household goods		
	Shell		
Agency Ratings	EC 1935/2004		
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)		
	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.3	%	ISO 294-4
Flow direction	1.4	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	70.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ISO 527-2/1A/1

Tensile Stress (Yield)	34.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	8.5	%	ISO 527-2/1A/50
Fracture	> 50	%	ISO 527-2/1A/50
Flexural Modulus	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	85.0	°C	ISO 75-2/B
1.8 MPa, not annealed	53.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A120
--	90.0	°C	ISO 306/B120
Melting Temperature	163	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Hopper Temperature	40.0 - 60.0	°C	
Rear Temperature	180 - 260	°C	
Middle Temperature	220 - 280	°C	
Front Temperature	240 - 280	°C	
Nozzle Temperature	220 - 280	°C	
Processing (Melt) Temp	220 - 280	°C	
Mold Temperature	20.0 - 60.0	°C	
Injection instructions			

Zone 4: 240 to 280°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

