

SABIC® PP 532Bh

Polypropylene Homopolymer

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® PP 532Bh has a high molecular weight and therefore mainly used for extrusion. It has been provided with a high heat stabilisation package and is typically used for thick sheet in demanding applications.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information	
Additive	heat stabilizer
Features	High molecular weight
	Homopolymer
	Thermal Stability
Uses	Sheet
Forms	Particle
Processing Method	Extrusion
	Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	107		ASTM D785
Durometer Hardness (Shore D)	72		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
1% secant ¹	1800	MPa	ASTM D638
--	1800	MPa	ISO 527-2/1A/1
Tensile Strength			
Yield ²	38.0	MPa	ASTM D638
Yield	38.0	MPa	ISO 527-2/1A/50
Tensile Elongation			
Yield ³	9.0	%	ASTM D638
Yield	8.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.5	kJ/m ²	ISO 179/1eA
0°C	3.0	kJ/m ²	ISO 179/1eA
23°C	6.0	kJ/m ²	ISO 179/1eA

Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact			
-20°C	25	J/m	ASTM D256A
0°C	35	J/m	ASTM D256A
23°C	60	J/m	ASTM D256A
-20°C	2.5	kJ/m ²	ISO 180/1A
0°C	3.0	kJ/m ²	ISO 180/1A
23°C	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	90.0	°C	ASTM D648
0.45 MPa, not annealed ⁴	105	°C	ISO 75-2/Bf
1.8 MPa, not annealed	60.0	°C	ASTM D648
1.8 MPa, not annealed ⁵	65.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	160	°C	ASTM D1525, ISO 306/A120 5 ⁶
--	101	°C	ASTM D1525, ISO 306/B120 6 ⁷
Oxidation Induction Time			
200°C	> 60	min	ISO 11357-6
200°C	> 60	min	ASTM D3895
NOTE			
1.	1.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	testbar 80*10*4mm		
5.	testbar 80*10*4mm		
6.	标准 B (120°C/h), 压 力1 (10N)		
7.	标准 B (120°C/h), 载荷2 (50N)		

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