

SABIC® STAMAX 50YM240

Polypropylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® STAMAX 50YM240 is a 50% long glass fibre reinforced grade. The glass fibers are checmically coupled to the PP matrix, resulting in high stiffness and strength.

General Information			
Filler / Reinforcement	Long Glass Fiber,50% Filler by Weight		
Features	Chemically Coupled		
	High Stiffness		
	High Strength		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1B
23°C, Injection Molded	10500	MPa	
80°C, Injection Molded	5700	MPa	
120°C, Injection Molded	4500	MPa	
Tensile Stress ¹			ISO 527-2
23°C, Injection Molded	110	MPa	
80°C, Injection Molded	75.0	MPa	
120°C, Injection Molded	54.0	MPa	
Tensile Strain (Break, 23°C, Injection Molded)	1.9	%	ISO 527-2/1B
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C, Injection Molded	28	kJ/m ²	
23°C, Injection Molded	22	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C, Injection Molded	50	kJ/m ²	
23°C, Injection Molded	50	kJ/m ²	
Falling Dart Impact - Total Energy ²			ISO 6603-2
-40°C	59.0	J/cm	
23°C	64.0	J/cm	
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed)	157	°C	ASTM D648
NOTE			
1.	Type 1B		
2.	Injection Molded		

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