



SABIC® STAMAX 30YM240

PP LGF reinforced for Automotive injection moulding

Description:

SABIC® STAMAX 30YM240 is a 30% long glass fiber reinforced grade. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength.

The pellet size of SABIC® STAMAX 30YM240 is 12 mm.

IMDS ID: 16496906

Typical values

Revision 20091109

Properties	Unit (SI)	Values	Testmethods
Polymer properties			
Density	kg/m ³	1120	ISO 1183
Glass fibre content	%	30	ISO 3451
Coeff. of linear thermal expansion			ASTM D 696
23 °C to 80 °C	µm/mK	41	
-30 °C to 30 °C	µm/mK	51	
Mechanical properties ¹⁾			
Tensile modulus			ISO 527/1B
at 23 °C	MPa	6650	
at 80 °C	MPa	4600	
at 120 °C	MPa	3500	
Tensile strength			ISO 527/1B
at 23 °C	MPa	110	
at 80 °C	MPa	70	
at 120 °C	MPa	51	
Tensile elongation at break			ISO 527/1B
at 23 °C	%	2,3	
Flexural modulus			ISO 178
at 23 °C	MPa	5900	
at 80 °C	MPa	4200	
Flexural strength			ISO 178
at 23 °C	MPa	147	
at 80 °C	MPa	86	
Charpy impact notched			ISO 179/1eA
at 23 °C	kJ/m ²	19	
at -30 °C	kJ/m ²	25	
Charpy impact unnotched			ISO 179/1eU
at 23 °C	kJ/m ²	52	
at -30 °C	kJ/m ²	36	
Falling dart			ISO 6603-2
total energy at 23 °C	J/mm	5,8	
total energy at -40 °C	J/mm	-	
Thermal properties			
Heat deflection temperature			ISO 75/A
at 1.80 MPa (HDT/A)	°C	156	

1) All measurements on injection molded samples.



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It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us.

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