

STAMAX™ 50YM240

PP LGF REINFORCED
REGION EUROPE

DESCRIPTION

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

IMDS ID: 487805611

TYPICAL PROPERTY VALUES

Revision 20191025

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	1365	kg/m ³	ISO 1183
Glass fibre content	50	%	ISO 3451
MECHANICAL PROPERTIES⁽¹⁾			
Tensile modulus			
at 23 °C	10500	MPa	ISO 527/1A
at 80 °C	5700	MPa	ISO 527/1A
Tensile strength			
at 23 °C	115	MPa	ISO 527/1A
at 80 °C	70	MPa	ISO 527/1A
Tensile elongation at break			
at 23 °C	1.9	%	ISO 527/1A
Charpy Impact Strength Notched			
at 23 °C	22	kJ/m ²	ISO 179/1eA
at -30 °C	28	kJ/m ²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	50	kJ/m ²	ISO 179/1eU
at -30 °C	50	kJ/m ²	ISO 179/1eU
THERMAL PROPERTIES			
Heat deflection temperature			
at 0.45 MPa (HDT/B)	158	°C	ASTM D648
Coeff. of linear thermal expansion			
-30 °C to 100 °C	35	µm/mK	ISO 11359-2

(1) All measurements on injection molded samples.

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