

STAMAX™ 30YH530

FR PP LGF REINFORCED

DESCRIPTION

STAMAX™ 30YH530 is a high flow, halogen free flame retardant, copolymer with 30% long glass fiber, developed for E&E and automotive injection molded applications. The glass fibres are chemically coupled to the PP matrix, resulting in high stiffness and strength. This material has been designed to combine a good performance profile with good processing.

STAMAX™ 30YH530 should be dried at 100°C for 2 hours before the injection molding.

IMDS ID: 900883933
UL Yellow Card: E111275

TYPICAL PROPERTY VALUES

Revision 20230804

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	1224	kg/m ³	ISO 1183
Glass fibre content	30	%	ISO 3451
MECHANICAL PROPERTIES⁽¹⁾			
Tensile modulus			
at 23 °C	7400	MPa	ISO 527/1A
at 80 °C	4500	MPa	ISO 527/1A
Tensile strength			
at 23 °C	80	MPa	ISO 527/1A
at 80 °C	40	MPa	ISO 527/1A
Flexural Modulus			
at 23 °C	6600	MPa	ISO 178
at 80 °C	4400	MPa	ISO 178
Charpy Impact Strength Notched			
at 23 °C	16	kJ/m ²	ISO 179/1eA
at -30 °C	15	kJ/m ²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	43	kJ/m ²	ISO 179/1eU
at -30 °C	48	kJ/m ²	ISO 179/1eU
THERMAL PROPERTIES			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	155	°C	ISO 75/A
FLAMMABILITY PROPERTIES			
Comparative Tracking Index	600	V	IEC 60112
UL94			
Lowest thickness for VO	3.0	mm	UL 94
GWFI			
at 0.8mm	800	°C	IEC 60695-2-12
at 1.6mm	960	°C	IEC 60695-2-12

(1) All measurements on injection molded samples.

© 2023 Copyright by SABIC. All rights reserved

CHEMISTRY THAT MATTERS™

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)



DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.