STAMAX™ 30YH530

FR PP LGF REINFORCED

DESCRIPTION

STAMAX™ 30YH530 is a high flow, halogen free flame redardant, 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

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	1224	kg/m³	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/m²	ISO 179/1eA
at -30 °C	15	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	43	kJ/m²	ISO 179/1eU
at -30 °C	48	kJ/m²	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 V0	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.