STAMAX™ 30YH515

FR PP LGF REINFORCED

DESCRIPTION

STAMAX™ 30YH515 is a high flow, halogen free flame redardant, copolymer reinforced with 30% long glass fiber, specially developed for electrical & electronic injection molded applications. This material has been designed to combine a good performance profile with good processing.

SABIC STAMAX™ 30YH515 is a designated injection molded grade for electrical applications.
STAMAX™ 30YH515 should be dried at 100°C for 2 hours before the injection molding.

UL Yellow Card: E111275

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	1270	kg/m³	ISO 1183
Glass fibre content	30	%	ISO 3451
MECHANICAL PROPERTIES [1]			
Tensile modulus			
at 23 °C	7600	MPa	ISO 527/1A
at 80 °C	4600	MPa	ISO 527/1A
Tensile elongation at break			
at 23 °C	2.5	%	ISO 527/1A
Flexural Modulus			
at 23 °C	7000	MPa	ISO 178
at 80 °C	4600	MPa	ISO 178
Flexural strength			
at 23 °C	130	MPa	ISO 178
at 80 °C	60	MPa	ISO 178
Charpy Impact Strength Notched			
at 23 °C	15	kJ/m²	ISO 179/1eA
at -30 °C	13	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	45	kJ/m²	ISO 179/1eU
at -30 °C	44	kJ/m²	ISO 179/1eU
THERMAL PROPERTIES			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	155	°C	ISO 75/A
Coeff. of linear thermal expansion			
-30 °C to 100 °C	55	µm/mK	ISO 11359-2
FLAMMABILITY PROPERTIES			
Comparative Tracking Index	600	V	IEC 60112
UL94			
Lowest thickness for V0	1.5	mm	UL 94
GWFI			
at 0.8mm	750	°C	IEC 60695-2-12

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
at 1.6mm	960	°C	IEC 60695-2-12

(1) All measurements on injection molded samples.