

# STAMAX™ 30YH515

FR PP LGF REINFORCED

## DESCRIPTION

STAMAX™ 30YH515 is a high flow, halogen free flame retardant, 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

Revision 20230804

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
Density	1270	kg/m <sup>3</sup>	ISO 1183
Glass fibre content	30	%	ISO 3451
<b>MECHANICAL PROPERTIES<sup>(1)</sup></b>			
<b>Tensile modulus</b>			
at 23 °C	7600	MPa	ISO 527/1A
at 80 °C	4600	MPa	ISO 527/1A
<b>Tensile elongation at break</b>			
at 23 °C	2.5	%	ISO 527/1A
<b>Flexural Modulus</b>			
at 23 °C	7000	MPa	ISO 178
at 80 °C	4600	MPa	ISO 178
<b>Flexural strength</b>			
at 23 °C	130	MPa	ISO 178
at 80 °C	60	MPa	ISO 178
<b>Charpy Impact Strength Notched</b>			
at 23 °C	15	kJ/m <sup>2</sup>	ISO 179/1eA
at -30 °C	13	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Charpy impact unnotched</b>			
at 23 °C	45	kJ/m <sup>2</sup>	ISO 179/1eU
at -30 °C	44	kJ/m <sup>2</sup>	ISO 179/1eU
<b>THERMAL PROPERTIES</b>			
<b>Heat deflection temperature</b>			
at 1.80 MPa (HDT/A)	155	°C	ISO 75/A
<b>Coeff. of linear thermal expansion</b>			
-30 °C to 100 °C	55	µm/mK	ISO 11359-2
<b>FLAMMABILITY PROPERTIES</b>			
<b>Comparative Tracking Index</b>			
UL94	600	V	IEC 60112
Lowest thickness for VO	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.

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