STAMAX™ T2E-40YR240

FR PP LGF REINFORCED

DESCRIPTION

STAMAX™ T2E-40YR240 is a 40% long glass fiber reinforced polypropylene, which is formulated with 25 % recycled plastic. The glass fibers are chemically coupled to the PP matrix, resulting in high stiffness and strength. The grade is part of SABIC's TRUCIRCLE™ portfolio and services.

STAMAX™ T2E-40YR240 should be dried at 100C for 2 hours before the injection molding.

IMDS ID: 1207604383

TYPICAL PROPERTY VALUES

Revision 20230327

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Density	1220	kg/m³	ISO 1183
Glass fibre content	40	%	ISO 3451
MECHANICAL PROPERTIES (1)			
Tensile modulus			
at 23 °C	8200	MPa	ISO 527/1A
at 80 °C	5400	MPa	ISO 527/1A
Tensile strength			
at 23 °C	110	MPa	ISO 527/1A
at 80 °C	65	MPa	ISO 527/1A
Tensile elongation at break			
at 23 °C	2.1	%	ISO 527/1A
Flexural Modulus			
at 23 °C	8700	MPa	ISO 178
at 80 °C	6100	MPa	ISO 178
Flexural strength			
at 23 °C	180	MPa	ISO 178
at 80 °C	105	MPa	ISO 178
Charpy Impact Strength Notched			
at 23 °C	26	kJ/m²	ISO 179/1eA
at -30 °C	25	kJ/m²	ISO 179/1eA
Charpy impact unnotched			
at 23 °C	55	kJ/m²	ISO 179/1eU
at -30 °C	50	kJ/m²	ISO 179/1eU
THERMAL PROPERTIES			
Heat deflection temperature			
at 1.80 MPa (HDT/A)	158	°C	ISO 75/A
Coeff. of linear thermal expansion			
-30 °C to 100 °C	40	µm/mK	ISO 11359-2

(1) All measurements on injection molded samples.

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

DISCLAIMER