NORYL GTX™ RESIN GTX600

REGION ASIA

DESCRIPTION

NORYL GTX™ 600 resin is a non-reinforced alloy of Polyphenylene Ether (PPE) + Polyamide (PA). This injection moldable grade exhibits high heat resistance, and excellent chemical resistance. NORYL GTX600 resin may be an excellent candidate for exterior automotive applications such as wheel covers.

TYPICAL PROPERTY VALUES

Revision 20190723

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	64	MPa	SABIC - Japan Method
Tensile Strain, break	120	%	SABIC - Japan Method
Flexural Stress	87	MPa	ASTM D 790
Flexural Modulus	2050	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	637	J/m	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	185	°C	ASTM D 648
CTE, -30°C to 30°C	0.000075 – 0.000085	1/°C	TMA
PHYSICAL			
Specific Gravity	1.1	-	ASTM D 792
Water Absorption, 24 hours	0.6	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.7 – 0.9	%	SABIC method
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E45587-236803	-	-
UL Recognized, 94HB Flame Class Rating	≥1.5	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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.

© 2019 Copyright by SABIC. All rights reserved