

# NORYL GTX<sup>TM</sup> RESIN GTX626

REGION AMERICAS

## DESCRIPTION

NORYL GTX<sup>TM</sup> 626 resin is a non-reinforced alloy of Polyphenylene Ether (PPE) + Polyamide (PA). This blow moldable and extrudable grade exhibits high heat resistance and excellent chemical resistance. NORYL GTX626 resin may be an excellent candidate for exterior automotive applications such as wheel covers and wheel trim.

## TYPICAL PROPERTY VALUES

Revision 20190213

| PROPERTIES                                    | TYPICAL VALUES | UNITS | TEST METHODS |
|---|----------------|-------|--------------|
| <b>MECHANICAL</b>                             |                |       |              |
| Tensile Stress, yld, Type I, 50 mm/min        | 62             | MPa   | ASTM D 638   |
| Tensile Strain, brk, Type I, 50 mm/min        | 83             | %     | ASTM D 638   |
| Flexural Stress, yld, 2.6 mm/min, 100 mm span | 95             | MPa   | ASTM D 790   |
| Flexural Modulus, 2.6 mm/min, 100 mm span     | 2270           | MPa   | ASTM D 790   |
| <b>IMPACT</b>                                 |                |       |              |
| Izod Impact, notched, 23°C                    | 336            | J/m   | ASTM D 256   |
| Izod Impact, notched, -30°C                   | 122            | J/m   | ASTM D 256   |
| Instrumented Impact Energy @ peak, 23°C       | 31             | J     | ASTM D 3763  |
| Instrumented Impact Energy @ peak, -30        | 36             | J     | ASTM D 3763  |
| <b>THERMAL</b>                                |                |       |              |
| HDT, 0.45 MPa, 6.4 mm, unannealed             | 179            | °C    | ASTM D 648   |
| <b>PHYSICAL</b>                               |                |       |              |
| Specific Gravity                              | 1.09           | -     | ASTM D 792   |
| Mold Shrinkage, flow, 3.2 mm                  | 1.3 – 1.4      | %     | SABIC method |
| <b>FLAME CHARACTERISTICS<sup>(1)</sup></b>    |                |       |              |
| UL Yellow Card Link                           | E121562-220758 | -     | -            |
| UL Recognized, 94HB Flame Class Rating        | ≥1.5           | mm    | UL 94        |
| <b>EXTRUSION BLOW MOLDING</b>                 |                |       |              |
| Drying Temperature                            | 80             | °C    |              |
| Drying Time                                   | 4              | hrs   |              |
| Drying Time (Cumulative)                      | 16             | hrs   |              |
| Melt Temperature (Parison)                    | 275 – 290      | °C    |              |
| Barrel - Zone 1 Temperature                   | 270 – 280      | °C    |              |
| Barrel - Zone 2 Temperature                   | 270 – 280      | °C    |              |
| Barrel - Zone 3 Temperature                   | 270 – 280      | °C    |              |
| Barrel - Zone 4 Temperature                   | 270 – 280      | °C    |              |
| Adapter - Zone 5 Temperature                  | 275 – 290      | °C    |              |
| Head - Zone 6 - Top Temperature               | 275 – 290      | °C    |              |
| Head - Zone 7 - Bottom Temperature            | 275 – 290      | °C    |              |
| Mold Temperature                              | 80             | °C    |              |
| Die Temperature                               | 275 – 290      | °C    |              |



(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.

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