

## DURANEX® 751SA

Polyplastics - Acrylonitrile Butadiene Styrene + PBT

### General Information

#### Product Description

Low Warpage, SA Series

GF Reinforced, Low Density, High Sliding

#### General

|                               |                                                 |                 |                 |
|-------------------------------|-------------------------------------------------|-----------------|-----------------|
| Material Status               | • Commercial: Active                            |                 |                 |
| Availability                  | • Africa & Middle East                          | • Europe        | • North America |
|                               | • Asia Pacific                                  | • Latin America |                 |
| Filler / Reinforcement        | • Glass Fiber, 30% Filler by Weight             |                 |                 |
| Additive                      | • Flame Retardant                               |                 |                 |
| Features                      | • Flame Retardant                               | • Low Friction  |                 |
|                               | • Low Density                                   | • Low Warpage   |                 |
| Automotive Specifications     | • GM GMW15702-120007 Color: ED3002 <sup>1</sup> |                 |                 |
| UL File Number                | • E213445                                       |                 |                 |
| Forms                         | • Pellets                                       |                 |                 |
| Processing Method             | • Injection Molding                             |                 |                 |
| Part Marking Code (ISO 11469) | • >PBT+ABS-(GF+GS)30 FR(17)<                    |                 |                 |

### Properties <sup>2</sup>

| Physical                                                | Nominal Value | Unit                  | Test Method     |
|---------------------------------------------------------|---------------|-----------------------|-----------------|
| Density                                                 | 1.56          | g/cm <sup>3</sup>     | ISO 1183        |
| Water Absorption (24 hr, 73°F, 0.0394 in)               | 0.20          | %                     | ISO 62          |
| Mechanical                                              | Nominal Value | Unit                  | Test Method     |
| Tensile Stress                                          | 14400         | psi                   | ISO 527-2       |
| Tensile Strain (Break)                                  | 1.8           | %                     | ISO 527-2       |
| Flexural Modulus                                        | 1.26E+6       | psi                   | ISO 178         |
| Flexural Stress                                         | 21600         | psi                   | ISO 178         |
| Impact                                                  | Nominal Value | Unit                  | Test Method     |
| Charpy Notched Impact Strength (73°F)                   | 2.2           | ft·lb/in <sup>2</sup> | ISO 179/1eA     |
| Hardness                                                | Nominal Value | Unit                  | Test Method     |
| Rockwell Hardness (M-Scale)                             | 80            |                       | ISO 2039-2      |
| Thermal                                                 | Nominal Value | Unit                  | Test Method     |
| Deflection Temperature Under Load (264 psi, Unannealed) | 374           | °F                    | ISO 75-2/A      |
| CLTE - Flow (73 to 131°F)                               | 1.7E-5        | in/in/°F              | Internal Method |
| CLTE - Transverse (73 to 131°F)                         | 3.3E-5        | in/in/°F              | Internal Method |
| Electrical                                              | Nominal Value | Unit                  | Test Method     |
| Volume Resistivity                                      | 7.0E+16       | ohms·cm               | IEC 60093       |
| Electric Strength (0.118 in)                            | 480           | V/mil                 | IEC 60243-1     |
| Comparative Tracking Index                              | 275           | V                     | IEC 60112       |
| Flammability                                            | Nominal Value | Unit                  | Test Method     |
| Flame Rating                                            | V-0           |                       | UL 94           |
| Additional Information                                  | Nominal Value | Unit                  | Test Method     |
| Color Number                                            | EF2001/ED3002 |                       |                 |

### Notes

<sup>1</sup> Restricted use

<sup>2</sup> Typical properties: these are not to be construed as specifications.

