

# DURANEX® 7195W

## Polyplastics - Polybutylene Terephthalate

### General Information

#### Product Description

Low Warpage, Flame Retardant, Standard

GF Reinforced, Super Low Warpage, Black Color

#### General

|                               |                                     |
|-------------------------------|-------------------------------------|
| Filler / Reinforcement        | • Glass Fiber, 15% Filler by Weight |
| Additive                      | • Flame Retardant                   |
| Features                      | • Flame Retardant • Low Warpage     |
| UL File Number                | • E213445                           |
| Appearance                    | • Black                             |
| Forms                         | • Pellets                           |
| Processing Method             | • Injection Molding                 |
| Part Marking Code (ISO 11469) | • >PBT-(GF+GS)15 FR(17)<            |

### Properties<sup>1</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)                | 0.10          | %                     | ISO 62          |
| Mechanical   | Nominal Value | Unit                  | Test Method     |
| Tensile Stress   | 12500         | psi                   | ISO 527-2       |
| Tensile Strain (Break)                                   | 2.8           | %                     | ISO 527-2       |
| Flexural Modulus   | 889000        | psi                   | ISO 178         |
| Flexural Stress  | 18600         | psi                   | ISO 178         |
| Impact   | Nominal Value | Unit                  | Test Method     |
| Charpy Notched Impact Strength (73°F)                    | 1.9           | ft-lb/in <sup>2</sup> | ISO 179/1eA     |
| Hardness   | Nominal Value | Unit                  | Test Method     |
| Rockwell Hardness (M-Scale)                              | 85            |                       | ISO 2039-2      |
| Thermal  | Nominal Value | Unit                  | Test Method     |
| Deflection Temperature Under Load<br>264 psi, Unannealed | 401           | °F                    | ISO 75-2/A      |
| CLTE - Flow (73 to 131°F)                                | 2.8E-5        | in/in/°F              | Internal Method |
| CLTE - Transverse (73 to 131°F)                          | 3.9E-5        | in/in/°F              | Internal Method |
| Electrical   | Nominal Value | Unit                  | Test Method     |
| Electric Strength (0.118 in)                             | 610           | V/mil                 | IEC 60243-1     |
| Flammability   | Nominal Value | Unit                  | Test Method     |
| Flame Rating   | V-0           |                       | UL 94           |
| Additional Information                                   | Nominal Value | Unit                  |                 |
| Color Number   | EF2001/ED3002 |                       |                 |