

DURANEX® CN7740XB

Polyplastics - Polybutylene Terephthalate + PET

General Information

Product Description

Low Warpage, Flame Retardant, Standard

GF Reinforced, Super Low Warpage, Black Color

General

| | |
|-------------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Glass Fiber, 40% 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+PET-(GF+PS)40FR(17)< |

 Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|---|---------------|-----------------------|-----------------|
| Density | 1.76 | g/cm ³ | ISO 1183 |
| Water Absorption (24 hr, 73°F, 0.0394 in) | 0.10 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 14600 | psi | ISO 527-2 |
| Tensile Strain (Break) | 1.1 | % | ISO 527-2 |
| Flexural Modulus | 2.02E+6 | psi | ISO 178 |
| Flexural Stress | 22800 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 2.2 | ft·lb/in ² | ISO 179/1eA |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (M-Scale) | 95 | | ISO 2039-2 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 394 | °F | ISO 75-2/A |
| CLTE - Flow (73 to 131°F) | 1.1E-5 | in/in/°F | Internal Method |
| CLTE - Transverse (73 to 131°F) | 2.8E-5 | in/in/°F | Internal Method |
| Electrical | Nominal Value | Unit | Test Method |
| Electric Strength (0.118 in) | 430 | V/mil | IEC 60243-1 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | V-0 | | UL 94 |

