

DURANEX® 700FP

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

Film, Extrusion Molding

High Viscosity

General

| | |
|-------------------------------|------------------|
| Features | • High Viscosity |
| Uses | • Film |
| Forms | • Pellets |
| Processing Method | • Extrusion |
| Part Marking Code (ISO 11469) | • >PBT< |

Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-----------------------|-------------|
| Density | 1.31 | g/cm ³ | ISO 1183 |
| Intrinsic Viscosity | 1.1 | dl/g | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 7690 | psi | ISO 527-2 |
| Nominal Tensile Strain at Break | 110 | % | ISO 527-2 |
| Flexural Modulus | 325000 | psi | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (73°F) | 1.9 | ft-lb/in ² | ISO 179/1eA |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 138 | °F | ISO 75-2/A |
| Glass Transition Temperature | 95.0 | °F | |
| Melting Temperature | 433 | °F | |
| Peak Crystallization Temperature | 338 | °F | |
| delta H | 46.0 | J/g | |
| Additional Information | Nominal Value | Unit | |
| Color Number | EF201R | | |