

Technical Data Sheet

# Lucent Pbt GPB-FR515

Polybutylene Terephthalate  
LyondellBasell Industries  
Engineering Plastics

## Product Description

15% Glass Fiber Reinforced, Flame Resistant, Polybutylene Terephthalate

Add "R" for Added Release  
Add "U" for UV Stabilizer

## General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.52	1.52 g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	13000 psi	89.6 MPa	ASTM D638
Tensile Elongation (Break)	3.0 %	3.0 %	ASTM D638
Flexural Modulus	700000 psi	4830 MPa	ASTM D790
Flexural Strength	18000 psi	124 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.125 In (3.18 Mm)	1.2 ft·lb/in	64 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	315 °F	157 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.13 In (3.2 Mm))	V-0	V-0	UL 94

## Notes

These are typical property values not to be construed as specification limits.