

Technical Data Sheet

Lucent Pbt PBT-G10 SE5

Polybutylene Terephthalate

LyondellBasell Industries

Engineering Plastics

Product Description

PBT G10 SE5 is a 10% Glass-Filled, Flame Retardant PBT

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Flame Retardant
Appearance	• Black
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.33	1.33 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	18 g/10 min	18 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	9900 psi	68.3 MPa	ASTM D638
Tensile Elongation (Break)	10 %	10 %	ASTM D638
Flexural Modulus	523000 psi	3610 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	2.2 ft·lb/in	120 J/m	ASTM D256
Gardner Impact	157 in·lb	17.7 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	225 °F	107 °C	ASTM D648

Notes

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