

HiFill® PBT 2523

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Additive	• PTFE Lubricant
Features	• Impact Modified • Lubricated
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.24		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.022	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical			
Tensile Modulus	217000	psi	ASTM D638
Tensile Strength (Yield)	5500	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Impact			
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	3.1	ft·lb/in	
73°F, 0.125 in	3.1	ft·lb/in	
Hardness			
Rockwell Hardness (R-Scale)	104		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	245	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	120	°F	ASTM D648
CLTE - Flow	4.8E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
Flammability			
Flame Rating	HB		UL 94

Notes
¹ Typical properties: these are not to be construed as specifications.
