Dayson Polymers, LLC

TRIPET® 2550GN30 Glass Reinforced/Flame Retardant

Polyethylene Terephthalate

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.61	ASTM 792
Melt Flow Rate	250°C/5.0 kg	28 g/10 min	
Mold Shrink, Linear-Flow (0.118in)	in/in	0.0020 to 0.0040	ASTM 955
Water Absorption @ 24 hours	%	.10	ASTM D570
Mechanical			
Tensile Strength		21,300 psi	ASTM D638
Tensile Elongation @ Break	%	6.0	ASTM D638
Flexural Modulus		1,208,100 psi	ASTM D790
Flexural Strength		32,000 psi	ASTM D790
Impact			
Notched Izod Impact (0.500in)	ft-lb/in	1.47	ASTM D256
Notched Izod Impact (0.125in)	ft-lb/in	1.65	
Hardness			
Rockwell Hardness	R-Scale	114	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		428 °F	ASTM D648
DTUL @ 66 psi - Unannealed		473 °F	
Melting Point		482 to 500 °F	
CLTE, Flow	in/in/°F	1.7E-005	ASTM D696
Electrical			
Volume Resistivity		1.0E+016 ohm-cm	ASTM D257
Dielectric Strength	V/mil	508	ASTM D149
Dielectric Constant	1000000 Hz	3.800	ASTM D150
Dissipation Factor	1000000 Hz	0.017	ASTM D150
Arc Resistance	sec	80	ASTM D495
Ignition Characteristics			
Flame Rating – UL (0.0313in)		V-0	UL94
Flame Rating – UL (0.0600in)		V-0	UL94
Flame Rating – UL (0.120in)		V-0	UL94

30% GLASS REINFORCED/FLAME RETARDANT

Remark: The values presented on the above are typical laboratory averages. All data generated is based on natural material.