

Dayson Polymers, LLC
TRIPET® 2550GN45 Glass Reinforced/Flame Retardant

Polyethylene Terephthalate

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.73	ASTM 792
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		22,800 psi	ASTM D638
Tensile Elongation @ Break	%	6.0	ASTM D638
Flexural Modulus		1,208,984 psi	ASTM D790
Flexural Strength		34,100 psi	ASTM D790
Impact			
Notched Izod Impact (0.125in)	ft-lb/in	1.56	ASTM D256
Hardness			
Rockwell Hardness	R-Scale	111	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		428 °F	ASTM D648
DTUL @ 66 psi - Unannealed		473 °F	
Melting Point		491 °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	3.900	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

45% GLASS REINFORCED/FLAME RETARDANT

TRIPET® is a registered trademark of Sam Yang Engineering Plastics.

Remark: The values presented on the above are typical laboratory averages. All data generated is based on natural material. To the best of our knowledge the information contained in this publication is accurate, however, we do not assume any liability whatsoever for the accuracy or completeness of such information. Since we have no control over the use to which others may put our product, we cannot guarantee that results the same as those described in this publication will be obtained. The buyer assumes sole responsibility for results obtained in reliance upon this publication. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves as to such suitability and they can meet all applicable safety and health standards.