

**Dayson Polymers, LLC**  
**TRIPET® 2500G45 Glass Reinforced**

**Polyethylene Terephthalate**

Property	Test Condition	Nominal Values (English)	Test Method
<b>Physical</b>			
Density – Specific Gravity	sp gr 23/23°C	1.70	ASTM 792
Mold Shrink, Linear-Flow (0.118in)	in/in	0.0020 to 0.0040	ASTM 955
Water Absorption @ 24 hours	%	.10	ASTM D570
<b>Mechanical</b>			
Tensile Strength		27,700 psi	ASTM D638
Tensile Elongation @ Break	%	6.0	ASTM D638
Flexural Modulus		1,351,217 psi	ASTM D790
Flexural Strength @ Yld		40,500 psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (0.125in)	ft-lb/in	1.75	ASTM D256
<b>Hardness</b>			
Rockwell Hardness	R-Scale	119	ASTM D785
<b>Thermal</b>			
DTUL @ 264 psi - Unannealed		446 °F	ASTM D648
DTUL @ 66 psi - Unannealed		482 °F	
Melting Point		491 °F	
CLTE, Flow	in/in/°F	1.7E-005	ASTM D696
<b>Electrical</b>			
Volume Resistivity		1.0E+016 ohm-cm	ASTM D257
Dielectric Strength	V/mil	635	ASTM D149
Dielectric Constant	1000000 Hz	3.900	ASTM D150
Dissipation Factor	1000000 Hz	0.016	ASTM D150
Arc Resistance	sec	125	ASTM D495
<b>Ignition Characteristics</b>			
Flame Rating – UL (0.0313in)		HB	UL94

**45% GLASS REINFORCED**

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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.