Dayson Polymers, LLC

TRIBIT® 1500G15 Glass Reinforced

Polybutylene Terephthalate

Property	Test Condition	Nominal Values (English)	Test Method
Physical			
Density – Specific Gravity	sp gr 23/23°C	1.50	ASTM 792
Melt Flow Rate		48 g/10min	ASTM D1238
Mold Shrink, Linear-Flow (0.118in)	in/in	0.0020 to 0.012	ASTM 955
Water Absorption @ 24 hours	%	.080	ASTM D570
Mechanical			
Tensile Strength		14,200 psi	ASTM D638
Tensile Elongation @ Break	%	7.0	ASTM D638
Flexural Modulus		853,401 psi	ASTM D790
Flexural Strength		22,800 psi	ASTM D790
Impact			
Notched Izod Impact (0.500in)	ft-lb/in	1.10	ASTM D256
Notched Izod Impact (0.125in)	ft-lb/in	1.10	
Hardness			
Rockwell Hardness	R-Scale	119	ASTM D785
Thermal			
DTUL @ 264 psi - Unannealed		410 °F	ASTM D648
DTUL @ 66 psi - Unannealed		437 °F	
Melting Point		439 °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	533	ASTM D149
Dielectric Constant	1000000 Hz	3.200	ASTM D150
Dissipation Factor	1000000 Hz	0.0200	ASTM D150
Arc Resistance	sec	150	ASTM D495
Ignition Characteristics			
Flame Rating – UL (0.0313in)		HB	UL94
Flame Rating – UL (0.0620in)		HB	UL94
Flame Rating – UL (0.0240in)		HB	UL94

PROCESSING INFORMATION

INJECTION MOLDING PARAMETERS	NOMINAL VALUES (ENGLISH)
DRYING TEMPERATURE	248 °F
DRYING TIME	5.0 HR
REAR TEMPERATURE	473 °F
MIDDLE TEMPERATURE	482 °F
FRONT TEMPERATURE	482 °F
NOZZLE TEMPERATURE	491 °F
PROCESSING (MELT) TEMP	482 to 509 °F
MOLD TEMPERATURE	104 to 176 °F
INJECTION PRESSURE	7110 to 9950 psi
SCREW SPEED	80 rpm

15% GLASS REINFORCED

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