

T 6500

Property	ASTM Test Method	Typical Values ⁽¹⁾			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.34		1.34	
Water Absorption, 24 hours	D 570	0.6	%	0.6	%
Melt Volume Rate (380°C, 10 kg)	D 1238	26	cc/10 min.	26	cc/10 min.
Mechanical					
Tensile Strength	D 638	13.3	kpsi	92	MPa
Tensile Modulus	D 638	375	kpsi	2.6	GPa
Tensile Elongation at Break	D 638	>10	%	>10	%
Flexural Strength	D 790	17.5	kpsi	121	MPa
Flexural Modulus	D 790	365	kpsi	2.5	GPa
Impact Strength- Notched Izod	D 256	1.2	ft-lb/in	65	J/m
Thermal					
DTUL at 264 psi (1.82 MPa) ⁽²⁾	D 648	455	°F	235	°C
Glass Transition Temperature	D 3482	492	°F	255	°C
Electrical					
Dielectric Strength	D 149	279	V/mil	12	kV/mm
Dielectric Constant @ 50 Hz	D 150	3.1		3.1	
Dissipation Factor @ 50 Hz	D 150	0.004		0.004	
Volume Resistivity	D 257	>10 ¹⁵	ohm-cm	>10 ¹⁵	ohm-cm
Surface Resistivity	D 257	>10 ¹⁵	ohm/sq	>10 ¹⁵	ohm/sq
Flammability					
Flammability at 0.9 mm (0.035") ⁽³⁾	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	40	%	40	%

⁽¹⁾ These properties has been determined from injection molded test specimen under ideal processing parameters and conditioned at 23+/- 2°C and 50%RH .

⁽²⁾ Measured using annealed specimen.

⁽³⁾ Expected

Product Safety and Emergency Service

For product safety information or a Material Safety Data Sheet on a product of Solvay Advanced Polymers

1 (800) 621-4557

1 (770) 772-8880 outside of U.S.

For information or help in an emergency such as a spill, leak, fire or explosion, call day or night:

Emergency Health Information

1 (800) 621-4590

1 (770) 772-5177 outside of U.S.

Emergency Spill Information

CHEMTREC 1 (800) 424-9300

**1 (703) 527-3887 outside of U.S.
collect calls accepted**

For Additional Information

Technical Service

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Customer Service

1 (800) 848-9744

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