

## B 2300

Property	ASTM Test Method	Typical Values <sup>(1)</sup>			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
<b>General</b>					
Specific Gravity	D 792	1.34		1.34	
Water Absorption, 24 hours	D 570	0.53	%	0.53	%
Melt Volume Rate (380°C, 2.16 kg)	D 1238	10-20	cc/10 min.	10-20	cc/10 min.
<b>Mechanical</b>					
Tensile Strength	D 638	12.3	kpsi	85	MPa
Tensile Modulus	D 638	386	kpsi	2.7	GPa
Tensile Elongation at Break	D 638	80	%	80	%
Flexural Strength	D 790	17.0	kpsi	120	MPa
Flexural Modulus	D 790	386	kpsi	2.7	GPa
Impact Strength- Notched Izod	D 256	1.3	ft-lb/in	70	J/m
<b>Thermal</b>					
DTUL at 264 psi (1.82 MPa) <sup>(2)</sup>	D 648	388	°F	198	°C
Glass Transition Temperature	D 3482	433	°F	223	°C
Coefficient of Linear Thermal Expansion	D 696	28	µin/in°F	51	µm/m°C
<b>Electrical</b>					
Dielectric Strength	D 149	330	V/mil	13	kV/mm
Dielectric Constant @ 1 MHz	D 150	3.5		3.5	
Dissipation Factor @ 1 MHz	D 150	0.01		0.01	
Volume Resistivity	D 257	>10 <sup>15</sup>	ohm-cm	>10 <sup>15</sup>	ohm-cm
Surface Resistivity	D 257	>10 <sup>15</sup>	ohm/sq	>10 <sup>15</sup>	ohm/sq
Comparative Tracking Index	D 3638	150	V	150	V
Arc Resistance	D 495	100	sec	100	sec
<b>Flammability</b>					
Flammability at 0.9 mm (0.035")	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	39	%	39	%

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

<sup>(2)</sup> Measured using annealed specimen.

### 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

**1 (800) 621-4557**

Customer Service

**1 (800) 848-9744**

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