

P-4300UF01

Property	ASTM Test Method	Typical Values (1)			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.31		1.31	
Filler Content		2.5	%	2.5	%
Water Absorption, 24 hours	D 570	0.32	%	0.32	%
Melt Volume Rate , (400°C,2.16 kg)	D 1238	12-15	cc/10 min	12-15	cc/10 min
Mold Shrinkage	D 955	0.7	%	0.7	%
Mechanical					
Tensile Strength	D 638	10.7	kpsi	75	MPa
Tensile Modulus	D 638	343	kpsi	2.4	GPa
Tensile Elongation at Break	D 638	50-100	%	50-100	%
Flexural Strength	D 790	15.7	kpsi	110	MPa
Flexural Modulus	D 790	329	kpsi	2.3	GPa
Impact Strength- Notched Izod	D 256	12.2	ft-lb/in	650	J/m
Impact Strength- Unnotched Izod	D 256	56	ft-lb/in	3000	J/m
Thermal					
DTUL at 264 psi (1.82 MPa) ⁽²⁾	D 648	392	°F	200	°C
Glass Transition Temp.	D 3482	428	°F	220	°C
Continuous Use Temperature ⁽³⁾	UL-746B	365		185	
Coefficient of Linear Thermal Expansion	D 696	9	µin/in°F	16	µm/m°C
Electrical					
Dielectric Strength	D 149	405	V/mil	18	kV / mm
Dielectric Constant @ 60 Hz	D 150	2.9		2.9	
Dissipation Factor @ 60 Hz	D 150	0.003		0.003	
Volume Resistivity	D 257	>10 ¹⁶	ohm-cm	>10 ¹⁶	ohm-cm
Surface Resistivity	D 257	>10 ¹⁴	ohm/sq	>10 ¹⁴	ohm/sq
Flammability					
Flammability at 0.9 mm (0.035")	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	38	%	38	%

(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 from 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:

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For Additional Information

Technical Service

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