

PES 3420GF

Property	ASTM	Typical Values ⁽¹⁾			
	Test	U.S. Customary Units		SI Units	
	Method	Value	Units	Value	Units
General					
Specific Gravity	D 792	1.51		1.51	
Water Absorption, 24 hours	D 570	0.50	%	0.50	%
Filler Content		20	%	20	%
Mold Shrinkage	D 955	0.4	%	0.4	%
Mechanical					
Tensile Strength	D 638	17.2	kpsi	120	MPa
Tensile Modulus	D 638	1000	kpsi	7.0	GPa
Tensile Elongation at Break	D 638	3	%	3	%
Flexural Strength	D 790	25.0	kpsi	175	MPa
Flexural Modulus	D 790	930	kpsi	6.5	GPa
Impact Strength- Notched Izod	D 256	1.1	ft-lb/in	60	J/m
Thermal					
DTUL at 264 psi (1.82 MPa)	D 648	410	°F	210	°C
Glass Transition Temp.	D 3482	437	°F	225	°C
Continuous Use Temperature ⁽²⁾	UL–746B	365	°F	185	°C
Electrical					
Dielectric Strength	D 149	507	V/mil	20	kV/mm
Volume Resistivity	D 257	>10 ¹⁶	ohm-cm	>10 ¹⁶	ohm-cm
Surface Resistivity	D 257	>10 ¹⁴	ohm/sq	>10 ¹⁴	ohm/sq
Comparative Tracking Index	D 3638	150	V	150	V
Flammability					
Flammability at 0.8 mm (0.031") ⁽²⁾	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⁾ Expected Approvals
UL Flammability

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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