

PES 3610 GM20

Property	ASTM Test Method	Typical Values ⁽¹⁾			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
General					
Color		Grey		Grey	
Specific Gravity	D 792	1.62		1.62	
Filler Content		30	%	30	%
Mold Shrinkage	D 955	0.3	%	0.3	%
Mechanical					
Tensile Strength	D 638	12.2	kpsi	85	MPa
Tensile Modulus	D 638	1000	kpsi	7.0	GPa
Tensile Elongation at Break	D 638	2	%	2	%
Flexural Strength	D 790	18.6	kpsi	130	MPa
Flexural Modulus	D 790	1000	kpsi	7.0	GPa
Impact Strength- Notched Izod	D 256	0.7	ft-lb/in	38	J/m
Thermal					
DTUL at 264 psi (1.82 MPa) ⁽²⁾	D 648	410	°F	210	°C
Glass Transition Temp.	D 3482	437	°F	225	°C
Continuous Use Temperature ⁽³⁾	UL-746B	374	°F	190	°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
Arc Resistance	D 495	125	sec	125	sec
Glow Wire Test at 960°C	IEC 695	Conforms		Conforms	
Flammability					
Flammability at 0.9 mm (0.035")	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	41	%	41	%

⁽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 with 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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