

PES 3330GF, PES 3430GF

Property	ASTM Test Method	Typical Values ⁽¹⁾			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
General					
Specific Gravity	D 792	1.58		1.58	
Filler Content		30	%	30	%
Water Absorption, 24 hours	D 570	0.50	%	0.50	%
Mold Shrinkage (MD/TD)	D 955	0.3	%	0.3	%
Mechanical					
Tensile Strength	D 638	18.6	kpsi	130	MPa
Tensile Modulus	D 638	1290	kpsi	9.0	GPa
Tensile Elongation at Break	D 638	1.8	%	1.8	%
Flexural Strength	D 790	27.2	kpsi	190	MPa
Flexural Modulus	D 790	1290	kpsi	9.0	GPa
Impact Strength- Notched Izod	D 256	1.4	ft-lb/in	75	J/m
Thermal					
DTUL at 264 psi (1.82 MPa) ⁽²⁾	D 648	419	°F	215	°C
Glass Transition Temp.	D 3482	433	°F	223	°C
Continuous Use Temperature ⁽³⁾	UL-746B	377	°F	190	°C
Coefficient of Linear Thermal Expansion	D 696	14	10 ⁻⁶ /°F	25	10 ⁻⁶ /°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	80	sec	80	sec
Flammability					
Flammability at 0.8 mm (0.031")	UL 94	V-0		V-0	
Limiting Oxygen Index	D 2863	42	%	42	%

⁽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

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