

PES 3400

Property	ASTM	Typical Values ⁽¹⁾			
	Test	U.S. Customary Units		SI Units	
	Method	Value	Units	Value	Units
General					
Specific Gravity	D 792	1.37		1.37	
Water Absorption, 24 hours	D 570	0.56	%	0.56	%
Melt Flow Rate (380°C, 2.16 kg)	D 1238	41-50	g/10 min.	41-50	g/10 min.
Mechanical					
Tensile Strength	D 638	12.9	kpsi	90	MPa
Tensile Modulus	D 638	358	kpsi	2.5	GPa
Tensile Elongation at Break	D 638	25-75	%	25-75	%
Flexural Strength	D 790	16.5	kpsi	115	MPa
Flexural Modulus	D 790	358	kpsi	2.5	GPa
Impact Strength- Notched Izod	D 256	1.0	ft-lb/in	55	J/m
Thermal					
DTUL at 264 psi (1.82 MPa) ⁽²⁾	D 648	383	°F	200	°C
Glass Transition Temp.	D 3482	433	°F	223	°C
Continuous Use Temperature ⁽³⁾	UL-746B	356	°F	180	°C
Coefficient of Linear Thermal Expansion	D 696	32	10 ⁻⁶ /°F	57	10 ⁻⁶ /°C
Electrical					
Dielectric Strength	D 149	405	V/mil	16	kV/mm
Dielectric Constant @ 60 Hz	D 150	3.2		3.2	
Dissipation Factor @ 60 Hz	D 150	0.004		0.004	
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	50	sec	50	sec
Flammability					
Flammability at 3.2 mm (0.126")	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⁾ Measured from annealed specimen

⁽²⁾ Expected

Approvals

NSF 51, 61 Certified

USP Class VI approved

EPA TSCA Registered

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

GAFONE is a trademark of Solvay Advanced Polymers, L.L.C.

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Solvay Advanced Polymers, L.L.C. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Solvay Advanced Polymers, L.L.C. reserves the right to make additions, deletions, or modifications to the information at any time without prior notification.