

## PES 3000P

Property	ASTM Test Method	Typical Values			
		U.S. Customary Units		SI Units	
		Value	Units	Value	Units
<b>General</b>					
Specific Gravity	D 792	1.37		1.37	
Moisture Content <sup>(2)</sup>	P/QA/I/043	0.5	%	0.5	%
Volatile Content	P/QA/I/306	0.5	%	0.5	%
Intrinsic viscosity in DMF @25°C	D 2857	0.28	dl/g	0.28	dl/g
Color of 10% wt/wt solution in DMF	APHA	100		100	
Molecular weight (Mw) by GPC <sup>(3)</sup>	P/QA/I/314	160000		160000	
Viscosity of 25%(w/w) solution in NMP @25°C	P/QA/I/326	6500	cps	6500	cps
<b>Mechanical<sup>(1)</sup></b>					
Tensile Strength	D 638	13.0	kpsi	90	MPa
Tensile Modulus	D 638	363	kpsi	2500	MPa
Tensile Elongation at Break	D 638	25-75	%	25-75	%
Flexural Strength	D 790	16.7	kpsi	115	MPa
Flexural Modulus	D 790	363	kpsi	2500	MPa
Impact Strength- Notched Izod	D 256	1.0	ft-lb/in	55	J/m

<sup>(1)</sup> These properties has been determined from injection molded test specimen under ideal processing parameters and conditioned at 23+/- 2°C and 50%RH .

<sup>(2)</sup> Moisture is measured at the time of packing. GAFONE PES is hygroscopic and may absorb moisture during storage and therefore should be dried at 150°C for a minimum of 3 hours before use.

<sup>(3)</sup> Molecular weight determination is done using polystyrene as reference standard.

### 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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