

PES 3400P

Property	ASTM	Typical Values			
	Test	U.S. Customary Units		SI Units	
	Method	Value	Units	Value	Units
General					
Specific Gravity	D 792	1.37		1.37	
Moisture Content ⁽²⁾	P/QA/I/043	0.5	%	0.5	%
Volatile Content	P/QA/I/306	0.5	%	0.5	%
Ionic Chloride	P/QA/I/304	100	ppm	100	ppm
Intrinsic viscosity in DMF@25°C	D 2857	0.21	dl/g	0.21	dl/g
Color of 10% wt/wt solution in DMF	APHA	100		100	
Molecular weight (Mw) by GPC ⁽³⁾	P/QA/I/314	115000		115000	
Viscosity of 25%(w/w) solution in NMP @25°C	P/QA/I/326	1700	cps	1700	cps
Mechanical ⁽¹⁾					
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	0.8	ft-lb/in	45	J/m

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

⁽³⁾ 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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