

PES MOLDING COMPOUNDS TYPICAL PROPERTIES

Properties	Test Method	Units	PES 202 Unfilled	PES GF 10 (10% Glass Reinforced)	PES GF 20 (20% Glass Reinforced)	PES GF 30 (30% Glass Reinforced)
Physical						
Specific Gravity	ASTM-D792	----	1.37	1.44	1.51	1.62
Water Absorption (24 hr)	ASTM-D570	%	0.60	0.51	0.40	----
Mechanical						
Tensile Strength	ASTM-D638	psi	12,300	15,200	17,800	18,900
Tensile Elongation	ASTM-D638	%	6.5	7.0	3.0	2.8
Flexural Strength	ASTM-D790	psi	17,300	23,200	25,000	26,800
Flexural Modulus	ASTM-D790	psi	360,000	634,000	871,000	1.32 E+6
Izod Impact Strength	ASTM-D256	ft. lb./in.				
Notched (1/8")			1.0	1.5	1.4	2.6
Unnotched Izod			----	16.0	7.8	14.0
Thermal						
Heat Deflection Temp.	ASTM-D648	°F				
66 psi			391	428	----	----
264 psi			380	405	402	406
Coefficient of Linear Thermal Expansion	ASTM-D696	in./in./°F X 10 ⁻⁵	2.75	2.1	5.4	5.4
Miscellaneous						
Flammability	UL Subj. 94	----	V-0	V-0	V-0	V-0
Mold Shrinkage (1/8")	ASTM-D955	in./in.	0.9	0.004	0.002	0.002-0.004

Suggested processing parameters are available upon request. Seller is not responsible or liable for any loss or damage resulting from product use, and no warranty is stated or implied.



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