

# SHINITE™ PBT

GROUP SPEC	PROPERTY	UNIT	TEST METHOD	PRODUCT DATA	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE	SHINITE™ PBT GRADE		
DESCRIPTION				TYPE	D201	D201G15	D201G30	D202	D202G15	D202G30	E202G15	E202G30	F202G30		
		--	D792	SHINITE™ PBT	1.31	1.39	1.52	1.4	1.49	1.62	1.5	1.61	1.57		
	Water absorption		D570	SHINITE™ PBT	0.09	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.07		
	Mold Shrinkage Flow	%		SHINITE™ PBT	0.8-2.0	0.3-0.5	0.2-0.4	0.6-1.9	0.3-0.5	0.2-0.4	0.2-0.4	0.2-0.4	0.2-0.4		
	Mold Shrinkage Crossflow	%	D955		0.8-2.0	0.5-0.9	0.5-0.9	0.6-1.9	0.5-0.9	0.5-0.9	0.5-0.9	0.5-0.9	0.5-0.9		
	Tensile strength	psi	D638	SHINITE™ PBT		14220	1778	8532	13509	18486	13082	18486	14788.8		
	Tensile elongation	%	D638	SHINITE™ PBT	40		4	6	4	4	4	3	2.4		
	Flexural Strength	psi	D790	SHINITE™ PBT	12087	22752		12798	22752	27729	20903.4	28440	23320.8		
	Flexural Modulus	psi	D790	SHINITE™ PBT	355500	739440	1279800		853200	1350900	796320	1322460	1279800		
	"Izod Impact, notched 1/8" (73°F)"	ft-lb/in	D256	SHINITE™ PBT	0.7	1.5	1.8	0.7		1.6	1.0	1.6	1.3		
	Rockwell Hardness	R-Scale	D785	SHINITE™ PBT	118	120	120	118	120		120	120	120		
	H.D.T 264 psi	°F	D648	SHINITE™ PBT	149	401	410	158	392	410		410	401		
	Flammability	--	UL-94	SHINITE™ PBT	HB	HB	HB	V-0	V-0	V-0	V-0		V-0		
	Dielectric Strength	KV/mm	D149	SHINITE™ PBT	15	15	20	15	20	20	20	20			
	Dielectric Constant	--	D150	SHINITE™ PBT	3	3	4	3	3	4	3	4	4		
	Volume Resistivity	?-cm	D257	SHINITE™ PBT	1x10^16	1x10^16	1x10^16	1x10^16	1x10^16	1x10^16	1x10^16	1x10^16	1x10^16		