



# PC 系列复合塑料物性表

## compound datasheets

项目 Property		试验法 ASTM Method	单位 Units	PC, Anti-static	PC FR, Anti-static	PC, CB	PC, CB, GF10	PC FR, CB	PC, CF-1	PC, CF-2	PC, SSF10
一般性质	比重 Specific Gravity	D792	-	1.19	1.3	1.21	1.31	1.28	1.23	1.26	1.3
	成型收缩率 Mold Shrinkage	6.35mm截面	%	-	-	-	-	-	-	-	-
		3.18mm截面		0.6~0.9	0.5~0.7	0.6~0.8	0.3~0.5	0.5~0.8	0.1~0.3	0.1~0.3	0.6~0.7
吸水率(24 hours) Water absorption, 24 hrs @ 23oC	D570	%	-	-	-	-	-	0.12	-	-	
机械性质	冲击强度 Impact Strength	3.18mm截面(缺口) Notched Izod	J/m	641	187	85	48	43	64	53	80
		3.18mm截面(无缺口) Unnotched Izod	No Break	1281	No Break	481	1495	481	481	No Break	
	伸张强度 Tensile Strength	D638	MPa	45	52	59	57	64	100	90	62
	延伸率 Tensile Elongation	D638	%	>10	6~8	8	5~7	8~12	3	2~3	7~10
	伸张模数 Tensile Modulus	D638	MPa	1655	2758	2412	3996	2758	6890	5512	2620
	弹性强度 Flexural Strength	D790	MPa	62	86	95	100	107	152	138	103
	弹性模数 Flexural Modulus	D790	MPa	1793	2758	2687	3858	2758	6201	5512	2620
洛氏硬度 Rockwell Hardness	D785	-	-	-	-	-	-	-	-	-	
热性质	热变形温度 DTUL	at 264 psi ( 1.82 MPa)	oC	104	124	129	-	127	138	138	-
		at 66 psi (0.455 MPa)		110	-	-	-	-	143	-	-
	连续使用温度 Continuous Use Temp.	UL-746B	oC	-	-	-	-	-	-	-	-
	线性热膨胀系数 Coefficient of Linear Thermal Expansion	D 696	10 <sup>-5</sup> /oC	-	-	-	-	-	-	-	-
防火等级 Flammability thickness	-	-	HB @ 1.5 mm	V-0 @ 1.5 mm	*HB @ 1.59 mm	-	V-0 @ 1.5 mm	-	*HB @ 1.5 mm	-	
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	1e8~1e11	1e8~1e10	<10e3	10e3~10e5	<1e4	max10e3	<10e5	<10
	表面电阻 Surface Resistivity	D257	ohm/SQ	1e10~1e12	1e10~1e11	<10e6	10e5~10e7	<1e7	max10e5	<10e6	<1e4
	静电消散(ML-PRF-81705C) Static Decay	FTMS-4046.1	sec	<2	<2	<2	<2	<2	<2	<2	<2

\*Tested by factory.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.