



POM 系列复合塑料物性表

compound datasheets

项 目 Property		试验法 ASTM Method	单位 Units	POM, Anti-static-1	POM, Anti-static-2	POM FR, CB	POM, CB, PTFE10	POM, CF	
一般性质	比重 Specific Gravity	D792	-	1.33	1.33	1.38	1.42	1.43	
	成型收缩率 Mold Shrinkage	D955	%	6.35mm截面	-	-	-	-	
				3.18mm截面	1.8~2.5	2	2~3	1.8~2.5	0.3~0.5
吸水率(24 hours) Water absorption, 24 hrs @ 23oC	D570	%	-	-	-	-	-		
机械性质	冲击强度 Impact Strength	D256	J/m	3.18mm截面(缺口) Notched Izod	107	134	69	53	53
				3.18mm截面(无缺口) Unnotched Izod	No Break	No Break	801	801	214
	伸张强度 Tensile Strength	D638	MPa	43	43	41	38	69	
	延伸率 Tensile Elongation	D638	%	>10	>10	7~10	9~12	1~3	
	伸张模数 Tensile Modulus	D638	MPa	1379	1723	2068	1931	8964	
	弹性强度 Flexural Strength	D790	MPa	55	48	62	55	103	
	弹性模数 Flexural Modulus	D790	MPa	1724	1585	1724	1793	7584	
洛氏硬度 Rockwell Hardness	D785	-	-	-	-	-	-		
热性质	热变形温度 DTUL	D648	oC	at 264 psi (1.82 MPa)	-	93	-	-	-
				at 66 psi (0.455 MPa)	-	-	-	-	-
	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 ⁻⁵ /oC	-	-	-	-	-	
防火等级 Flammability thickness	-	-	-	-	HB @ 1.5 mm	-	-		
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	1e9~9.9e10	10e7~10e8	<1e4	<1e4	<1e3	
	表面电阻 Surface Resistivity	D257	ohm/SQ	1e10~9.9e11	10e8~10e9	<1e7	<1e7	<1e6	
	静电消散(MIL-PRF-81705C) Static Decay	FTMS-4046.1	sec	<2	<2	<2	<2	<2	

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.