



Nylon 6 系列复合塑料物性表

compound datasheets

项 目 Property		试验法 ASTM Method	单位 Units	Nylon 6, Anti-static	Nylon 6, CB	Nylon 6, CF	Nylon 6, SSF10	
一般性质	比重 Specific Gravity	D792	-	1.13	1.19	1.21	1.24	
	成型收缩率 Mold Shrinkage	D955	%	6.35mm截面	-	-	-	
				3.18mm截面	1~1.5	1.4~1.8	0.1~0.3	1~1.6
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	160	107	53	27
				3.18mm截面(无缺口) Unnotched Izod	1068	No Break	427	1068
	伸张强度 Tensile Strength	D638	MPa	55	55	103	69	
	延伸率 Tensile Elongation	D638	%	>10	8~12	3~4	>10	
	伸张模数 Tensile Modulus	D638	MPa	2413	2896	7579	3792	
	弹性强度 Flexural Strength	D790	MPa	76	90	172	110	
	弹性模数 Flexural Modulus	D790	MPa	2068	2758	6890	2758	
洛氏硬度 Rockwell Hardness	D785	-	-	-	-	-		
热性质	热变形温度 DTUL	D648	oC	at 264 psi (1.82 MPa)	-	-	-	
				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	-	-	-	-	-	-		
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	1e9~9.9e10	<1e3	<10e4	<1e1	
	表面电阻 Surface Resistivity	D257	ohm/SQ	1e10~9.9e11	<1e6	<10e6	<1e4	
	静电消散(MIL-PRF-81705C) Static Decay	FTMS-4046.1	sec	<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.