



Nylon 6/6 系列复合塑料物性表

compound datasheets

项目 Property		试验法 ASTM Method	单位 Units	Nylon 6/6, CF20	Nylon 6/6, CF30	Nylon 6/6, Mineral40	Nylon 6/6, LGF40	Nylon 6/6, LGF50	
一般性质	比重 Specific Gravity	D792	-	1.22	1.27	1.5	1.46	1.59	
	成型收缩率 Mold Shrinkage	D955	%	6.35mm截面	-	-	-	-	
				3.18mm截面	0.1	0.1	0.7~1.1	0.1~0.2	0.1~0.2
吸水率(24 hours) Water absorption, 24 hrs @ 23oC	D570	%	0.5	0.5	0.5	0.8	0.7		
机械性质	冲击强度 Impact Strength	D256	J/m	3.18mm截面(缺口) Notched Izod	69	107	43	267	294
				3.18mm截面(无缺口) Unnotched Izod	694	801	267	1175	1338
	伸张强度 Tensile Strength	D638	MPa	179	241	69	220	241	
	延伸率 Tensile Elongation	D638	%	2~3	2	2~3	2~3	2~3	
	伸张模数 Tensile Modulus	D638	MPa	15158	22048	8274	14469	16536	
	弹性强度 Flexural Strength	D790	MPa	262	351	117	331	358	
	弹性模数 Flexural Modulus	D790	MPa	11024	17914	6895	11713	13780	
洛氏硬度 Rockwell Hardness	D785	-	-	-	120 R	-	-		
热性质	热变形温度 DTUL	D648	oC	at 264 psi (1.82 MPa)	254	260	204	232	243
				at 66 psi (0.455 MPa)	260	260	238	-	-
	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	*HB @ 1.5 mm	*HB @ 1.5 mm	*HB @ 1.5 mm	*HB @ 1.5 mm	
电气性质	体积固有电阻 Volume Resistivity	D257	ohm-cm	10e1	10e1	>1e14	-	-	
	表面电阻 Surface Resistivity	D257	ohm/SQ	-	-	-	-	-	
	静电消散(MIL-PRF-81705C) Static Decay	FTMS-4046.1	sec	-	-	-	-	-	

*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.