



名称: **PA66CF40**

牌号: **F07CF40**

产品简介 Product Description	主要应用 Applications
·40%碳纤维增强尼龙66 40% Carbon fiber reinforced PA66	·注塑成型 Injection molding
·优异的耐热性能 Excellent heat stability	·良好的机械性能 Good mechanical properties

性能 Properties	测试标准 Test Method	单位 Unit	典型值 Typical Values
物理性能 Physical properties			
Specific Gravity	ASTM D792	g/cm ³	1.31
Molding Shrinkage (3.2mm)	ASTM D955	%	0.05 to 0.2
Moisture Content		%	0.2

机械性能 Mechanical properties			
Tensile Modulus	ASTM D638	MPa	28698
Tensile Strength	ASTM D638	MPa	279
Tensile Elongation(Yield)	ASTM D638	%	1 to 1.9
Flexural Modulus	ASTM D790	MPa	25136
Flexural Strength	ASTM D790	MPa	368
Notched Izod Impact (3.2mm)	ASTM D256	J/m	118
Unnotched Izod Impact (3.2mm)	ASTM D4812	J/m	1087

热性能 Thermal properties			
Deflection Temperature Under Load 1.8MPa Unannealed	ASTM D648	°C	252

其它性能 Other properties			
阻燃性 Flammability	UL94	1.5mm	HB

典型加工条件 Processing Conditions	单位 Unit	参考范围 Range
Injection Pressure	MPa	70 to 125
Injection Temperature	°C	<285
Melt Temperature	°C	275 to 301
Mold Temperature	°C	130 to 150
Drying Temperature	°C	79
Drying Time	hr	4
Dew Point	°C	-18

说明: 以上数据是典型值, 不是保证值。根据模具设计, 例如浇口类型, 浇口分布, 浇口数量的不同, 注塑工艺和制件厚度的不同, 测试结果会有波动。不同的颜色, 测试结果也会有波动。在使用材料之前, 请咨询拓朴新材料有限公司。

Note: The data above is typical value for reference, not guarantee value. The data will vary with tool design such as gate type, gate location, gate number, injection molding process and part thickness. The data will vary with different color as well. Prior to use the material, please consult with Topo New Material.