

PC 1080C-70

Description

超高流动性，良好的着色性。适合注塑或者改性。

Application

粒料, 光盘, 其他电子电器

Key Features

着色性, 高透明度, 超高流动

物性名称	规格	单位	PC 1080C-70
Physical			
熔体流动速率 (300 °C /1.2 kg)	ASTM D1238	g/10min	70
密度	ASTM D792	kg/m³	1200
收缩率	ASTM D955	mm/mm	0.005~0.007
吸水率@24hr, 23°C	ASTM D570	%	0.15
吸水率@平衡, 50%湿度, 23°C	ASTM D570	%	0.32
Optical			
折射率	ASTM D542		1.583
透光率	ASTM D1003	%	91
Thermal			
负荷热变形温度@4mm, 0.45MPa, 退火	ASTM D648	°C	137
负荷热变形温度@4mm, 1.8MPa, 未退火	ASTM D648	°C	124
维卡软化点, 50°C/hr, 50N	ASTM D1525	°C	147
线性热膨胀系数@-40°C—82°C	ASTM D696	mm/mm/°C	68 x 10 ⁻⁶
Mechanical			
拉伸屈服应力	ASTM D638	MPa	60
极限拉伸强度	ASTM D638	MPa	48
屈服伸长率	ASTM D638	%	6
断裂伸长率	ASTM D638	%	60
拉伸模量	ASTM D638	MPa	2300
弯曲强度	ASTM D790	MPa	100
弯曲模量	ASTM D790	MPa	2500
悬臂梁缺口冲击强度@23°C	ASTM D256	J/m	270
落镖冲击, 总能量@23°C	ASTM D3763	J	59
洛氏硬度 HRR	ASTM D785	R Scale	124
洛氏硬度 HRM	ASTM D785	M Scale	58

通知

1. Typical properties; not to be constructed as specifications
2. Tensile Test @ 23 °C; 50 mm/min.
3. 0.125 in; 10 mil notch (3.2 mm; 0.25 mm notch).
4. 0.125 in; 8000 ipm (3.2 mm; 203 m/min).

※ Typical values are only for material selection purpose, and variation within normal tolerances are for various colors.

Values given should not be interpreted as specification and not be used for part or tool design.

All properties, except melt flow rate are measured on injection molded specimens and after 48 hours storage at 23°C, 50% relative humidity.