

PC 8000-05

Description

良好的低温冲击强度和耐环境应力开裂性能。适合PC合金改性。

Application

粒料

Key Features

耐化学性, 高抗冲, 低雾度, 低温抗冲

物性名称	规格	单位	PC 8000-05
Physical			
熔体流动速率 (300 °C /1.2 kg)	ASTM D1238	g/10min	3.5
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	%	0.12
吸水率@平衡, 50%湿度, 23°C	ASTM D570	%	0.2
Optical			
透光率	ASTM D1003	%	88
雾度	ASTM D1003	%	0~1.0
Thermal			
负荷热变形温度@4mm, 0.45MPa, 退火	ASTM D648	°C	132
负荷热变形温度@4mm, 1.8MPa, 退火	ASTM D648	°C	118
负荷热变形温度@4mm, 1.8MPa, 未退火	ASTM D648	°C	130
维卡软化点, 50°C/hr, 50N	ASTM D1525	°C	138
线性热膨胀系数@-40°C—82°C	ASTM D696	mm/mm/°C	70 x 10 ⁻⁶
Mechanical			
拉伸屈服应力	ASTM D638	MPa	58
极限拉伸强度	ASTM D638	MPa	68
屈服伸长率	ASTM D638	%	6
断裂伸长率	ASTM D638	%	120
拉伸模量	ASTM D638	MPa	2180
弯曲强度	ASTM D790	MPa	86
弯曲模量	ASTM D790	MPa	2030
悬臂梁缺口冲击强度@23°C	ASTM D256	J/m	760
无缺口悬臂梁冲击强度@23°C	ASTM D256		No break

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).

※ 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.