

PC 1603-03

Description

高冲击强度，独特的加工特性。适合改性或者型材挤出。

Application

粒料, 片材/薄膜, 多层复合板

Key Features

良好的脱模性, 高抗冲, 高透明度, 耐候性

物性名称	规格	单位	PC 1603-03
Physical			
熔体流动速率 (300 °C /1.2 kg)	ASTM D1238	g/10min	3
密度	ASTM D792	kg/m ³	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		1.586
透光率	ASTM D1003	%	89
雾度	ASTM D1003	%	0.7~1.5
Thermal			
负荷热变形温度@4mm, 0.45MPa, 退火	ASTM D648	°C	146
负荷热变形温度@4mm, 1.8MPa, 退火	ASTM D648	°C	143
负荷热变形温度@4mm, 1.8MPa, 未退火	ASTM D648	°C	132
维卡软化点, 50°C/hr, 50N	ASTM D1525	°C	151
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	72
屈服伸长率	ASTM D638	%	6
断裂伸长率	ASTM D638	%	150
拉伸模量	ASTM D638	MPa	2410
弯曲强度	ASTM D790	MPa	96
弯曲模量	ASTM D790	MPa	2410
悬臂梁缺口冲击强度@23°C	ASTM D256	J/m	950
无缺口悬臂梁冲击强度@23°C	ASTM D256		No break
Electrical			
灼热丝可燃性指数@1.5mm	IEC 695-2-1	°C	850

通知

1. The addition of an UV stabilizer to a resin does not completely eliminate the effects of UV exposure but to slow down the rate at which the effects occur. These effects may include color shift, decreased mechanical properties, and/or optical properties. Actual results may very depending on application and other factors such as resin color, transparency and additives. Therefore, actual end-use testing is recommended.
2. Typical properties; not to be constructed as specifications.
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.