

PC 1621-02

Description

高冲击强度，独特的加工特性。适合吹塑水桶。

Application

粒料, 水桶

Key Features

良好的脱模性, 高抗冲, 高透明度

物性名称	规格	单位	PC 1621-02
Physical			
熔体流动速率 (300 °C /1.2 kg)	ASTM D1238	g/10min	2.5
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	142
负荷热变形温度@4mm, 1.8MPa, 退火	ASTM D648	°C	128
负荷热变形温度@4mm, 1.8MPa, 未退火	ASTM D648	°C	137
维卡软化点, 50°C/hr, 50N	ASTM D1525	°C	146
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	63
极限拉伸强度	ASTM D638	MPa	60
屈服伸长率	ASTM D638	%	6
断裂伸长率	ASTM D638	%	90
拉伸模量	ASTM D638	MPa	2275
弯曲强度	ASTM D790	MPa	96
弯曲模量	ASTM D790	MPa	2406
悬臂梁缺口冲击强度@23°C	ASTM D256	J/m	927
无缺口悬臂梁冲击强度@23°C	ASTM D256		No break

通知

1. When used unmodified for the manufacture of food contact articles LUPOY 1621-2 Polycarbonate resins comply with the U.S. Food, Drug, and Cosmetic Act and Food Additive Regulations 21 CFR 177.1580 and E.U. Food Contact Regulations.
2. Typical properties; not to be constructed as specifications.
3. 0.125 in; 10 mil notch (3.2 mm; 0.25 mm notch).
4. These numerical flame spread rating are small-scale test values and are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

※ 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.