

COC TOPAS 6013M-07/德国TAP/高透明、防水防潮、耐热性、

产品名称	COC TOPAS 6013M-07/德国TAP/高透明、防水防潮、耐热性、
公司名称	深圳市嘉誉鑫科技有限公司
价格	1.00/千克
规格参数	德国TAP:COC 6013M:高透明、防水防潮、耐热性、 德国:TAP
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产品详情

TOPAS 6013M-07

Cyclic Olefin Copolymer

Topas Advanced Polymers, Inc.

产品说明：

Product Description TOPAS 6013M-07 is an injection molding grade with a wide processing window, especially suited for blow molding processes including IBM and ISBM. It is a glass-clear amorphous polymer with outstanding moisture barrier, chemical resistance, high purity and a non-reactive surface making it an excellent choice for healthcare and other high-tech products. Lower leachables and extractables of TOPAS COC preserve content stability and quality. It is a non-polar substrate that does not promote adsorption, denaturation, aggregation, or precipitation like glass can. This grade has a high (130 ° C) heat distortion temperature to withstand 121 ° C steam sterilization protocols, as well as gamma and EtO procedures. Selected Applications

Drug delivery

Prefilled syringes, vials, cartridges

Bottles and tubes

Surgical instruments

IV containers and components

Labware

Optics

Electronics

Food packaging

Healthcare and food contact

Leading Attributes

Low leachables & extractables, low water transmission

Non-ionic, does not promote adsorption like glass

Minimally reactive

Chemically resistant to alcohol, acetone, and acrylates

Transparent, withstands EtO/gamma/steam sterilization

Temperature resistance, clarity and purity

Clarity, low birefringence, low moisture sensitivity

Low dielectric constant, thermoplastic

Not manufactured with BPA, phthalates, or halogens

Broad regulatory compliance

Related Grades for Injection Molding, Healthcare, Optics and Diagnostics

TOPAS 6013S-04 - standard processing version with standard flow

TOPAS 6015S-04 - higher heat distortion temperature (150 ° C) for 134 ° C protocols

TOPAS 6017S-04 - our most heat distortion resistant IM grade (HDT=170 ° C)

TOPAS 5013L-10 - high flow grade; lubricated version for greater processing versatility

TOPAS 5013S-04 - high flow grade without lubricant

TOPAS IT X1 - impact grade for applications requiring extra toughness

物性信息：

基本信息

纯度高

低萃取物

防潮

辐射消毒

共聚物

环氧乙烷消毒

耐化学性良好

耐酒精

耐热性，高

清晰度，高

食品接触的合规性

无 BPA

无定形的

无卤

用蒸汽消毒
吹塑成型应用

用途

电气/电子应用领域

管件

光学应用

瓶子

实验室器具

食品包装

外科器械

药品包装

机构评级

医疗/护理用品
DMF 12132

FDA FCN 405

	ISO 10993	
	USP 第VI类	
外观	欧洲 10/1/2011 12:00:00 AM	
形式	清晰/透明	
加工方法	粒子	
	Injection Stretch Blow Molding	
	注吹成型	
	注射成型	
物理性能额定值单位制测试方法		1.02
熔流率 (熔体流动速率) (260 ° C/2.16 kg)		12
溶化体积流率 (MVR) (260 ° C/2.16 kg)		13.0
收缩率 1		0.50 到 0.70
吸水率 (饱和, 23 ° C)		0.010
机械性能额定值单位制测试方法		2900
拉伸应力 (屈服)		63.0
拉伸应变 (屈服)		2.6
简支梁冲击强度 (23 ° C)		2.0
简支梁无缺口冲击强度 (23 ° C)		14

热变形温度(真单位制测试法)	130
玻璃转化温度	142
拉伸性能额定值单位制测试方法	1.530
透射率	91.0
注射温度(真单位制)	230 到 260
料筒中部温度	240 到 270
料筒前部温度	250 到 280
射嘴温度	240 到 300
加工(熔体)温度	240 到 300
模具温度	95.0 到 125
注塑压力	50.0 到 110
注射速度	中等偏快
保压	30.0 到 60.0
背压	< 15.0

注射说明
Temperature: <100 ° C (<212 ° F) Max. Residence
Time: <15 minutes; short interruption to cycle, reduce Tx
= 170 ° C (338 ° F) Injection Speed: 50 - 150 mm/sec
(2.0 - 6.0 in/sec) Nozzle Type: Free Flow
备注 Dependent on process conditions and part design.