

## Technical Data

### 产品说明

COPYLENE® CR750CL-02	<p>COPYLENE® CR750CL-02 is an easy molding, high melt flow random copolymer that has good see-through and contact clarity in injection molding applications and is formulated with advanced technology. It is made with a non-phthalate catalyst.</p> <p>Applications:</p> <ul style="list-style-type: none"> <li>• Housewares</li> <li>• Clear containers</li> </ul>
SABIC® PP QR678K	<p>SABIC® PP QR678K is a very high melt flow index random copolymer with high transparency and good antistatic properties. This grade combines improved aesthetics of the finished articles with low temperature processability. Part aesthetics are not affected by the lower processing temperatures, providing for a broader operating window. The SABIC® PP QR678K presents very high melt flow rate, easy demoulding and good stiffness to impact ratio.</p> <p>Application: SABIC® PP QR678K is mainly used in injection moulding processes. The SABIC® PP QR678K is typically used at transparent applications where higher MFI's with good flow are required. Its intended applications include injection moulded housewares, office &amp; home storage boxes, thin wall packaging and media packaging.</p> <p>Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <a href="http://www.SABIC.com">http://www.SABIC.com</a>. The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.</p> <p>IMDS 80775790</p>
BorPure™ RJ766MO	<p>BorPure RJ766MO is a specially modified high MFR transparent polypropylene random copolymer based on proprietary Borealis Nucleation Technology (BNT), with an excellent organoleptic performance. No tainting of taste &amp; odour of food products and a faster crystallization speed offer benefits towards all parts of the value chain. It is designed for high-speed injection moulding and contains nucleating and demoulding additives.</p> <p>Applications</p> <ul style="list-style-type: none"> <li>• Pails</li> <li>• Square containers</li> <li>• House ware and thin wall packaging</li> <li>• Closures</li> </ul> <p>Special Features</p> <ul style="list-style-type: none"> <li>• Excellent organoleptic properties</li> <li>• Very good transparency</li> <li>• Good stiffness and impact balance</li> </ul>
Moplen RP398U	<p>Moplen RP398U is a clarified random copolymer for injection moulding with antistatic addition. Moplen RP398U offers an outstanding combination of high flowability, transparency, gloss and organoleptic behaviours. Moplen RP398U is typically used by customers in thin walled packaging for housewares and food packaging with high transparency and high requirement in organoleptic properties.</p>
Braskem PP RP 149	<p>RP 149 is a very high fluidity random copolymer, suitable for injection molding of large parts with excellent processability and transparency, high gloss, good stiffness/impact balance.</p>



Applications:  
Injection of high transparency and thin wall parts; rapid cycling injection.

Processing:  
Injection Molding

总览	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149
生产商/供应商	• Phillips 66	• SABIC	• Borealis AG	• LyondellBasell Industries	• Braskem
通用符号	• PP 无规共聚物	• PP 无规共聚物	• PP 无规共聚物	• PP 无规共聚物	• PP 无规共聚物
材料状态	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效	• 已商用：当前有效
资料 <sup>1</sup>	<ul style="list-style-type: none"> <li>• Processing - Injection Molding (English)</li> <li>• Processing - Thermoforming (English)</li> <li>• Technical Datasheet (English)</li> </ul>	• Technical Datasheet (English)	• Technical Datasheet (English)	<ul style="list-style-type: none"> <li>• Processing - Extrusion (English)</li> <li>• Processing - Injection Molding (English)</li> <li>• Processing - Mold Shrink (English)</li> <li>• Technical Datasheet (English)</li> </ul>	• Technical Datasheet (English)
搜索 UL 黄卡	<ul style="list-style-type: none"> <li>• Phillips 66</li> <li>• COPYLENE®</li> </ul>	<ul style="list-style-type: none"> <li>• SABIC</li> <li>• SABIC® PP</li> </ul>	• Borealis AG	<ul style="list-style-type: none"> <li>• LyondellBasell Industries</li> <li>• Moplen</li> </ul>	• Braskem
供货地区	• 北美洲	<ul style="list-style-type: none"> <li>• 北美洲</li> <li>• 非洲和中东</li> <li>• 拉丁美洲</li> <li>• 欧洲</li> <li>• 亚太地区</li> </ul>	<ul style="list-style-type: none"> <li>• 北美洲</li> <li>• 非洲和中东</li> <li>• 拉丁美洲</li> <li>• 欧洲</li> <li>• 亚太地区</li> </ul>	<ul style="list-style-type: none"> <li>• 非洲和中东</li> <li>• 欧洲</li> </ul>	<ul style="list-style-type: none"> <li>• 拉丁美洲</li> <li>• 欧洲</li> </ul>
添加剂	--	<ul style="list-style-type: none"> <li>• 澄清剂</li> <li>• 抗静电性</li> </ul>	<ul style="list-style-type: none"> <li>• 成核剂</li> <li>• 脱模</li> </ul>	<ul style="list-style-type: none"> <li>• 成核剂</li> <li>• 澄清剂</li> <li>• 抗静电性</li> </ul>	--
特性	<ul style="list-style-type: none"> <li>• Good Clarity</li> <li>• 良好的成型性能</li> <li>• 流动性高</li> <li>• 外观透明</li> <li>• 无规共聚物</li> </ul>	• 抗静电性	<ul style="list-style-type: none"> <li>• Excellent Organoleptic Properties</li> <li>• 成核的</li> <li>• 可回收材料</li> <li>• 快的成型周期</li> <li>• 良好刚性</li> <li>• 良好抗撞击性</li> <li>• 清晰度，高</li> <li>• 无规共聚物</li> </ul>	<ul style="list-style-type: none"> <li>• 成核的</li> <li>• 高光</li> <li>• 抗静电性</li> <li>• 良好的感官特征</li> <li>• 流动性高</li> <li>• 清晰度，高</li> <li>• 无规共聚物</li> </ul>	<ul style="list-style-type: none"> <li>• 高光</li> <li>• 快的成型周期</li> <li>• 良好的加工性能</li> <li>• 良好刚性</li> <li>• 良好抗撞击性</li> <li>• 流动性高</li> <li>• 清晰度，高</li> <li>• 无规共聚物</li> </ul>



总览	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149
用途	<ul style="list-style-type: none"> <li>• 家用货品</li> <li>• 容器</li> </ul>	<ul style="list-style-type: none"> <li>• 工业应用</li> </ul>	<ul style="list-style-type: none"> <li>• 包装</li> <li>• 薄壁包装</li> <li>• 容器</li> <li>• 桶</li> <li>• 外壳</li> </ul>	<ul style="list-style-type: none"> <li>• 包装</li> <li>• 薄壁包装</li> <li>• 家用货品</li> <li>• 容器</li> <li>• 食品包装</li> <li>• 体育用品</li> <li>• 玩具</li> <li>• 消费品应用领域</li> <li>• 硬包装</li> </ul>	<ul style="list-style-type: none"> <li>• 薄壁部件</li> </ul>
机构评级	--	--	--	--	• FDA 21 CFR 177.1520
汽车要求	--	• IMDS ID 80775790	--	--	--
外观	--	--	• 清晰/透明	--	--
加工方法	• 注射成型	--	• 注射成型	• 注射成型	• 注射成型

物理性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
密度 / 比重							
--	0.900	--	--	--	0.902	g/cm³	ASTM D792
--	--	--	0.905	--	--	g/cm³	ISO 1183
23°C	--	--	--	0.900	--	g/cm³	ISO 1183
--	--	0.905	--	--	--	g/cm³	ASTM D1505
熔速率 (熔体流动速率)							
230°C/2.16 kg	80	--	--	--	87	g/10 min	ASTM D1238
230°C/2.16 kg	--	80	70	71	--	g/10 min	ISO 1133
收缩率	--	--	1.0 到 2.0	--	--	%	

机械性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
拉伸模量							
50.0 mm	--	--	1150	--	--	MPa	ISO 527-2
--	--	--	--	1030	--	MPa	ISO 527-2
--	--	1100	--	--	--	MPa	ISO 527-2/1A/1
抗张强度							
屈服 <sup>3</sup>	28.3	--	--	--	--	MPa	ASTM D638
屈服, 注塑	--	--	--	--	28.0	MPa	ASTM D638
屈服	--	--	--	30.0	--	MPa	ISO 527-2
屈服	--	--	29.0	--	--	MPa	ISO 527-2/50
屈服	--	28.0	--	--	--	MPa	ISO 527-2/1A/50



机械性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
伸长率							
屈服	14	--	--	--	--	%	ASTM D638
屈服, 注塑	--	--	--	--	14	%	ASTM D638
屈服	--	--	--	14	--	%	ISO 527-2
屈服	--	--	12	--	--	%	ISO 527-2/50
屈服	--	13	--	--	--	%	ISO 527-2/1A
断裂	--	--	--	> 50	--	%	ISO 527-2
弯曲模量							
1% 正割 <sup>4</sup>	1100	--	--	--	--	MPa	ASTM D790A
1% 正割: 注塑	--	--	--	--	950	MPa	ASTM D790
--	--	--	1050	--	--	MPa	ISO 178
冲击性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
简支梁缺口冲击强度							ISO 179/1eA
0°C	--	1.5	--	1.5	--	kJ/m <sup>2</sup>	
23°C	--	4.0	4.5	5.0	--	kJ/m <sup>2</sup>	
悬壁梁缺口冲击强度							
23°C	53	--	--	--	--	J/m	ASTM D256A
23°C, 注塑	--	--	--	--	40	J/m	ASTM D256
0°C	--	1.5	--	--	--	kJ/m <sup>2</sup>	ISO 180/1A
23°C	--	3.5	--	--	--	kJ/m <sup>2</sup>	ISO 180/1A
硬度	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
洛氏硬度 (R 级, 注塑)	--	--	--	--	80		ASTM D785
肖氏硬度 (邵氏 D)	--	64	--	--	--		ISO 868
热性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
载荷下热变形温度							
0.45 MPa, 未退火	75.0	--	--	--	--	°C	ASTM D648
0.45 MPa, 未退火, 注塑	--	--	--	--	75.0	°C	ASTM D648
0.45 MPa, 未退火	--	--	75.0	70.0	--	°C	ISO 75-2/B
0.45 MPa, 未退火, 4.00 mm <sup>5</sup>	--	75.0	--	--	--	°C	ISO 75-2/Bf
1.8 MPa, 未退火, 4.00 mm <sup>5</sup>	--	52.0	--	--	--	°C	ISO 75-2/Af
维卡软化温度							
--	--	70.0	--	--	--	°C	ISO 306/B120
--	--	125	--	--	--	°C	ISO 306/A120
--	--	--	--	130	--	°C	ISO 306/A50



光学性能	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制	测试方法
雾度 (1000 μm, 注塑)	--	--	--	11.0	19.0	%	ASTM D1003

  

注射	COPYLENE® CR750CL-02	SABIC® PP QR678K	BorPure™ RJ766MO	Moplen RP398U	Braskem PP RP 149	单位制
加工 (熔体) 温度	--	--	210 到 260	--	--	°C
模具温度	--	--	15 到 40	--	--	°C
注射速度	--	--	快速	--	--	
保压	--	--	20.0 到 50.0	--	--	MPa

**备注**

<sup>1</sup> 通过这些链接您能够访问供应商资料。我们尽量保证及时更新资料；不过您可以从供应商处了解最新资料。

<sup>2</sup> 一般属性：这些不能被视为规格。

<sup>3</sup> 51 mm/min

<sup>4</sup> 1.3 mm/min

<sup>5</sup> 80\*10\*4mm



## 购买地点

供应商	
COPYLENE® CR750CL-02	<b>Phillips 66</b> Houston, TX USA 电话: 281-293-6600 Web: <a href="http://www.copolyene.com/">http://www.copolyene.com/</a>
SABIC® PP QR678K	<b>SABIC</b> Web: <a href="http://www.sabic.com/">http://www.sabic.com/</a>
BorPure™ RJ766MO	<b>Borealis AG</b> Vienna, Austria 电话: +43-122-400-302 Web: <a href="http://www.borealisgroup.com/">http://www.borealisgroup.com/</a>
Moplen RP398U	<b>LyondellBasell Industries</b> Wilmington, DE USA 电话: 713-309-7200 Web: <a href="https://www.lyondellbasell.com/">https://www.lyondellbasell.com/</a>
Braskem PP RP 149	<b>Braskem</b> São Paulo, Brazil 电话: +55-11-3576-9999 Web: <a href="http://www.braskem.com.br/">http://www.braskem.com.br/</a>



## 分销商

COPYLENE® CR750CL-02

**Amco Polymers**

电话: 800-262-6685

Web: <http://www.amcopolymers.com/>

供货地区: North America

**Bamberger Polymers, Inc.***Bamberger Polymers is a global distribution company. Contact Bamberger Polymers for availability of individual products by country.*

电话: 516-622-3600

Web: <http://www.bambergerpolymers.com/>

供货地区: Canada, United States

**Osterman & Company**

电话: 800-914-4437

Web: <http://www.osterman-co.com/>

供货地区: North America

SABIC® PP QR678K

**AECTRA**

电话: +33-4-72-54-36-42

Web: <https://www.aectra.fr/>

供货地区: France

**Distrupol Ltd***Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.*

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Web: <http://www.distrupol.com/>

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**Plastoplan**

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Web: <http://www.polymix.eu/>

供货地区: France



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供货地区: Europe

**广州三聚化工科技有限公司**

电话: +86-20-3466-7988

Web: <http://3polymer.com>

供货地区: China

BorPure™ RJ766MO

**Nexeo Plastics - Europe**

*Nexeo Plastics is a Pan European distribution company. Contact Nexeo for availability of individual products by country.*

电话: +34-93-480-9125

Web: <https://www.nexeoplastics.com/>

供货地区: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovakia, Spain, Sweden, Switzerland, United Kingdom

Moplen RP398U

**ALBIS Plastic**

*ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.*

电话: +49-40-78105-0

Web: <http://www.albis.com/>

供货地区: Algeria, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Kingdom

**Ultrapolymers**

*Ultrapolymers is a Pan European distribution company. Contact Ultrapolymers for availability of individual products by country.*

电话: +32-11-57-95-57

Web: <http://www.ultrapolymers.com/>

供货地区: Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lithuania, Macedonia, Netherlands, Norway, Portugal, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Spain, Sweden, Turkey, Ukraine, United Kingdom

Braskem PP RP 149

**RESINEX Group**

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供货地区: Europe

