

Technical Data

Product Description				
Sicoflex ABS MZ341	ABS, general purpose medium flow			
Toyolac® 100-322	Toyolac® 100-322 是一种丙烯腈丁二烯苯乙烯(ABS)产品。它,在北美洲、欧洲或亚太地区有供货。Toyolac® 100-322 的应用领域包括电气/电子应用、电气用具 和 汽车行业。			
	特性包括: - 阻燃/额定火焰 - 耐冲击			
Toyolac® 700-314	Toyolac® 700-314 是一种丙烯腈丁二烯苯乙烯(ABS)产品。它,在北美洲、欧洲或亚太地区有供货。Toyolac® 700-314 的应用领域包括电气/电子应用、电气用具、房屋 和 汽车行业。			
	特性包括: - 阻燃/额定火焰 - 耐冲击			
TAIRILAC® AG15A1	General Purpose Grade			
	CHARACTERISTICS: Medium impact, High gloss			
General	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1
Manufacturer / Supplier	• Ravago Group	• Toray Industries, Inc.	• Toray Industries, Inc.	• Formosa Chemicals & Fibre Corporation
Generic Symbol	• ABS	• ABS	• ABS	• ABS
Material Status	• 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 ¹	--	• Technical Datasheet (English)	• Technical Datasheet (English)	• Processing (English) • Technical Datasheet (English)
UL 黄卡 ²	--	--	--	• E162823-224731
搜索 UL 黄卡	• Ravago Group • Sicoflex	• Toray Industries, Inc. • Toyolac®	• Toray Industries, Inc. • Toyolac®	• Formosa Chemicals & Fibre Corporation • TAIRILAC®
Availability	• 欧洲	• 北美洲 • 欧洲 • 亚太地区	• 北美洲 • 欧洲 • 亚太地区	• 北美洲 • 欧洲 • 亚太地区
Recycled Content	• 是	--	--	--
Features	• 流动性中等 • 通用	• 抗撞击性，高	• 中等抗撞击性	• 高光 • 通用 • 中等抗撞击性



General	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1		
Uses	• 通用	• 电气/电子应用领域 • 电器用具 • 汽车领域的应用	• 电气/电子应用领域 • 电器用具 • 汽车领域的应用 • 外壳	--		
Agency Ratings	--	--	--	--		• EC 1907/2006 (REACH)
RoHS Compliance	--	--	--	--		• RoHS 合规
UL File Number	--	--	--	--		• E162823
Processing Method	--	--	--	--		• 注射成型
Part Marking Code (No Standard)	--	• >ABS<	• >ABS<	--		

Physical	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Density / Specific Gravity						
--	--	1.04	1.05	1.05	g/cm³	ASTM D792
--	1.05	--	--	--	g/cm³	ISO 1183
23°C	--	1.04	1.05	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)						
200°C/5.0 kg	--	--	--	2.0	g/10 min	ASTM D1238 ISO 1133
220°C/10.0 kg	--	--	--	20	g/10 min	ASTM D1238
220°C/10.0 kg	16	15	23	20	g/10 min	ISO 1133
Molding Shrinkage						
--	0.40 到 0.70	--	--	--	%	ISO 2577
--	--	0.40 到 0.60	0.40 到 0.60	--	%	Internal Method

Mechanical	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Tensile Stress						
屈服	40.0	--	--	--	MPa	ISO 527-2
断裂	32.0	--	--	--	MPa	ISO 527-2
--	--	49.0	50.0	--	MPa	ASTM D638
23°C	--	--	--	45.0	MPa	ASTM D638
23°C	--	54.0	54.0	45.0	MPa	ISO 527-2
Tensile Elongation						
断裂	--	48	35	--	%	ASTM D638
断裂	25	--	--	--	%	ISO 527-2
断裂, 23°C	--	13	18	--	%	ISO 527-2



Mechanical	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Flexural Modulus						
--	--	2300	2450	--	MPa	ASTM D790
23°C	--	--	--	2450	MPa	ASTM D790
--	2600	--	--	--	MPa	ISO 178
23°C	--	2350	2540	2450	MPa	ISO 178
Flexural Strength						
--	--	74.0	76.0	--	MPa	ASTM D790
23°C	--	--	--	73.0	MPa	ASTM D790
23°C	--	78.0	81.0	73.0	MPa	ISO 178
Impact	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Charpy Notched Impact Strength (23°C)	--	20	17	--	kJ/m²	ISO 179
Notched Izod Impact						
-30°C, 3.20 mm	--	140	120	--	J/m	ASTM D256
-30°C, 12.7 mm	--	120	78	--	J/m	ASTM D256
0°C, 3.20 mm	--	200	160	--	J/m	ASTM D256
0°C, 12.7 mm	--	180	110	--	J/m	ASTM D256
23°C, 3.20 mm	--	270	200	--	J/m	ASTM D256
23°C, 6.35 mm	--	--	--	220	J/m	ASTM D256 ISO 180
23°C, 12.7 mm	--	230	190	--	J/m	ASTM D256
-30°C	5.0	--	--	--	kJ/m²	ISO 180/1A
23°C	11	--	--	--	kJ/m²	ISO 180/1A
Hardness	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Rockwell Hardness						
R 级, 23°C	--	113	115	110		ASTM D785
R 计秤, 23°C	--	113	115	110		ISO 2039-2
Thermal	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Deflection Temperature Under Load						
1.8 MPa, 未退火, 6.40 mm	--	87.0	87.0	--	°C	ASTM D648
1.8 MPa, 未退火, 12.7 mm	--	--	--	83.0	°C	ASTM D648 ISO 75-2/A
1.8 MPa, 未退火	--	83.0	82.0	--	°C	ISO 75-2/A
1.8 MPa, 退火 4	--	--	--	93.0	°C	ASTM D648 ISO 75-2/A
1.8 MPa, 退火	91.0	--	--	--	°C	ISO 75-2/A

Thermal	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Vicat Softening Temperature						
--	--	95.0	95.0	--	°C	No Standard
--	--	--	--	100	°C	ASTM D1525 ⁵ ISO 306/A ⁵
--	100	--	--	--	°C	ISO 306/A50
--	93.0	--	--	--	°C	ISO 306/B50
CLTE - 流动	--	7.4E-5	7.1E-5	--	cm/cm/°C	ASTM D696
Flammability	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	测试方法
Flame Rating						
--	--	HB	HB	--		UL 94
1.5 mm, All Colors	--	--	--	HB		UL 94
1.6 mm ⁶	HB	--	--	--		Internal Method
3.2 mm ⁶	HB	--	--	--		Internal Method
Glow Wire Flammability Index (2.0 mm)	650	--	--	--	°C	IEC 60695-2-12
Injection	Sicoflex ABS MZ341	Toyolac® 100-322	Toyolac® 700-314	TAIRILAC® AG15A1	单位制	
Drying Temperature	--	--	--	70 到 80	°C	
Drying Time	--	--	--	2.0 到 3.0	hr	
Processing (Melt) Temp	--	--	--	190 到 230	°C	
Mold Temperature	--	--	--	40 到 80	°C	
Injection Pressure	--	--	--	68.6 到 108	MPa	

备注

¹ 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。

² UL 黄卡含有 UL 验证的易燃性和电气特性。UL Prospector 持续努力在 Prospector 中将黄卡链接至单个塑料材料，然而此列表可能未包括所有相应链接。重要的是，我们对 Prospector 中找到的这些黄卡和塑料材料之间的关联进行验证。如需完整的黄卡列表，请访问 UL 黄卡搜索。

³ 一般属性：这些不能被视为规格。

⁴ 80°C/8hr

⁵ 压力 1 (10N)

⁶ UL94 internally tested

购买地点

供应商	
Sicoflex ABS MZ341	Ravago Group , Belgium 电话: +32-14-672511 Web: http://www.ravago.com/
Toyolac® 100-322	Toray Industries, Inc. Tokyo, Japan Web: http://www.toray.jp/plastics/en/
Toyolac® 700-314	Toray Industries, Inc. Tokyo, Japan Web: http://www.toray.jp/plastics/en/
TAIRILAC® AG15A1	Formosa Chemicals & Fibre Corporation Taipei, Taiwan 电话: +886-2-2712-2211 Web: http://en.fcfc-plastics.com/



分销商

Sicoflex ABS MZ341

RESINEX Group*RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.***电话:** +32-14-672511**Web:** <http://www.resinex.com/>**供货地区:** Europe**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, Serbia, Slovakia, Slovenia, Spain, Sweden, Turkey, United Kingdom

Toyolac® 100-322

Chase Plastic Services, Inc.*Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>***电话:** 800-232-4273**Web:** <http://www.chaseplastics.com/>**供货地区:** North America**Distrupol Ltd***Distrupol Ltd is a Pan European distribution company. Contact Distrupol Ltd for availability of individual products by country.***电话:** 08452003040**Web:** <http://www.distrupol.com/>**供货地区:** Belgium, Luxembourg, Netherlands**RESINEX Group***RESINEX is a Pan European distribution company. Contact RESINEX for availability of individual products by country.***电话:** +32-14-672511**Web:** <http://www.resinex.com/>**供货地区:** Europe**TER HELL PLASTIC GMBH***TER HELL PLASTIC is a Pan European distribution company. Contact TER HELL PLASTIC for availability of individual products by country.***电话:** +49-232-3941-0**Web:** <http://www.terhell.de/>**供货地区:** Europe**Toray Resins Europe GmbH***Toray Resins Europe is a Pan European distribution company. Contact Toray Resins Europe for availability of individual products by country.***电话:** +49-6102-7999-2713**Web:** <http://www.toray.eu/plastics/en/index.html>**供货地区:** Europe

Toyolac® 700-314

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here: <http://www.chaseplastics.com/contact/locations>

电话: 800-232-4273

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

供货地区: North America

Distrupol Ltd

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

电话: 08452003040

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

供货地区: Belgium, Luxembourg, Netherlands

RESINEX Group

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

电话: +32-14-672511

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

供货地区: Europe

TER HELL PLASTIC GMBH

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电话: +49-232-3941-0

Web: <http://www.terhell.de/>

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Toray Resins Europe GmbH

Toray Resins Europe is a Pan European distribution company. Contact Toray Resins Europe for availability of individual products by country.

电话: +49-6102-7999-2713

Web: <http://www.toray.eu/plastics/en/index.html>

供货地区: Europe

TAIRILAC® AG15A1

Click Plastics AG

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

电话: +49-6251-770-690-0

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

供货地区: Germany

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

电话: +33-4-67-49-55-37

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

供货地区: Italy

Osterman & Company

电话: 800-914-4437

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

供货地区: North America



PolySource

电话: 866-558-5300

Web: <http://www.polysource.net/>

供货地区: North America

Resinal de México

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Web: <http://resinal.mx/>

供货地区: Mexico

