

Technical Data

Product Description	
Sicoflex ABS MZ341	ABS, general purpose medium flow
MAGNUM™ 3325 MT	Overview: MAGNUM™ 3325MT is a medium heat ABS. Its inherent low gloss combined with a high flow makes it specifically suitable for unpainted interior automotive applications. MAGNUM 3325MT can thereby help you to save up to 50% of the part costs. It is globally available, locally produced in major car production regions. Benefits: • Lot to lot consistency allowing for optimal machine parameters settings from the start • Self-coloring enabling improvement of costs by using less pigments and lowering your logistic costs • Low VOC allowing a better interior air quality facing increasing regulatory and OEMs constraints. • Heat stability during wide range of processing temperatures: enhanced part design freedom • High scratch and mar resistance for an improved aesthetic durability of the parts • Easier recyclability of unpainted part Applications: • Matt/unpainted interior automotive applications • Mid-consoles • Pillars • Door liners • Glove boxes
Rotec® ABS 3001	Rotec® ABS 3001 是一种丙烯腈丁二烯苯乙烯(ABS)材料,。该产品在欧洲有供货,加工方式为:注射成型。 Rotec® ABS 3001 的主要特性有: • 阻燃/额定火焰 • 耐冲击
MAGNUM™ 3525	Overview: MAGNUM™ 3525 is a medium heat ABS. Its inherent low gloss combined with a high flow makes it specifically suitable for unpainted interior automotive applications. MAGNUM™ 3525 can thereby help you to save up to 50% of the part costs. It is globally available, locally produced in major car production regions. Benefits: • Lot to lot consistency allowing for optimal machine parameters settings from the start • Self-coloring enabling improvement of costs by using less pigments and lowering your logistic costs • Low VOC allowing a better interior air quality facing increasing regulatory and OEMs constraints. • Heat stability during wide range of processing temperatures: enhanced part design freedom • High scratch and mar resistance for an improved aesthetic durability of the parts • Easier recyclability of unpainted part



- Applications:
- Matt/unpainted interior automotive applications
 - Mid-consoles
 - Pillars
 - Door liners
 - Glove boxes

General	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525
Manufacturer / Supplier	• Ravago Group	• Trinseo	• ROMIRA GmbH	• Trinseo
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	--	• Brochure - MAGNUM™ ABS - The Benchmark ABS for Extrusion (English) • Brochure - MAGNUM™ ABS Resins - Proven to enhance productivity and efficiency (English) • Press Release - Trinseo broadens Plastic Resin offering in North America (English) • Technical Datasheet	• Technical Datasheet (English)	• Brochure - MAGNUM™ ABS - The Benchmark ABS for Extrusion (English) • Brochure - MAGNUM™ ABS Resins - Proven to enhance productivity and efficiency (English) • Technical Datasheet
UL 黄卡 ²	--	--	• E148878-223641	--
搜索 UL 黄卡	• Ravago Group • Sicoflex	• Trinseo • MAGNUM™	• ROMIRA GmbH • Rotec® ABS	• Trinseo • MAGNUM™
Availability	• 欧洲	• 北美洲 • 拉丁美洲 • 欧洲 • 亚太地区	• 欧洲	• 拉丁美洲 • 欧洲 • 亚太地区
Recycled Content	• 是	--	--	--
Features	• 通用 • 中等流动性	• 良好的加工性能	• 良好抗撞击性	• 良好的加工性能
Uses	• 通用	• 衬里 • 汽车领域的应用 • 汽车内部装备	--	• 衬里 • 汽车领域的应用 • 汽车内部装备



General	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525		
Automotive Specifications	--	• CHRYSLER MS-DB-191 Type A CPN1497 Color: 黑色 • CHRYSLER MS-DB-191 Type A CPN1734 Color: 颜色匹配 • DAIMLER DBL 5404.80 • FORD ESB-M4D483-A2 • FORD WSK-M4D827-A • FORD WSS-M4D483-C1 • FORD WSS-M4D827-C1 • GM GMP.ABS.003 • GM GMW15572P-ABS-T2 • RNPO AS31	--	• FORD WSS-M4D827-A3 • FORD WSS-M4D827-C1 • PSA Peugeot-Citroën ABS-0013 • PSA Peugeot-Citroën ABS-0020 • RNPO AS31		
Forms	--	• 粒子	--			• 粒子
Processing Method	--	• 注射成型	• 注射成型			• 注射成型
Physical	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Density						
--	1.05	--	--	--	g/cm³	ISO 1183
23°C	--	--	1.04	--	g/cm³	ISO 1183
--	--	1.05	--	1.05	g/cm³	ISO 1183/B
Apparent (Bulk) Density	--	0.65	--	0.65	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	10	20	11	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	--	11.0	--	--	cm³/10min	ISO 1133
Molding Shrinkage						
--	--	0.40 到 0.70	--	--	%	ISO 294-4
--	0.40 到 0.70	--	--	--	%	ISO 2577
23°C	--	--	0.40 到 0.60	--	%	ISO 294-4
流量	--	--	--	0.40 到 0.70	%	ISO 294-4
Water Absorption (24 hr, 23°C)	--	--	0.30	--	%	ISO 62
Mechanical	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Tensile Modulus						
3.20 mm, 注塑	--	2200	--	2200	MPa	ISO 527-2
23°C	--	--	2400	--	MPa	ISO 527-2/1

Mechanical	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Tensile Stress						
屈服	40.0	--	--	--	MPa	ISO 527-2
屈服, 3.20 mm, 注塑	--	43.0	--	43.0	MPa	ISO 527-2/50
屈服, 3.20 mm, 注塑	--	--	--	44.0	MPa	ISO 527-2/100
断裂	32.0	--	--	--	MPa	ISO 527-2
23°C	--	--	47.0	--	MPa	ISO 527-2/50
Tensile Strain						
屈服, 3.20 mm, 注塑	--	3.3	--	3.3	%	ISO 527-2/50
屈服, 3.20 mm, 注塑	--	--	--	3.3	%	ISO 527-2/100
断裂	25	--	--	--	%	ISO 527-2
断裂, 23°C	--	--	18	--	%	ISO 527-2/50
Flexural Modulus						ISO 178
--	2600	--	--	--	MPa	
3.20 mm, 注塑 ^{4, 5}	--	2100	--	2100	MPa	
23°C ⁴	--	--	2400	--	MPa	
Flexural Stress ⁴						ISO 178
3.20 mm, 注塑 ⁵	--	65.0	--	65.0	MPa	
23°C	--	--	75.0	--	MPa	
Impact	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Charpy Notched Impact Strength						
-30°C, 注塑	--	11	--	11	kJ/m²	ISO 179/1eA
-30°C, 模压成型	--	8.0	--	--	kJ/m²	ISO 179/2
-30°C, 注塑	--	--	--	8.0	kJ/m²	ISO 179/2C
23°C, 注塑	--	17	--	17	kJ/m²	ISO 179/1eA
23°C, 模压成型	--	12	--	--	kJ/m²	ISO 179/2
23°C	--	--	16	--	kJ/m²	ISO 179/1eA
23°C, 注塑	--	--	--	12	kJ/m²	ISO 179/2C
Charpy Unnotched Impact Strength (23°C)	--	--	无断裂	--		ISO 179/1eU
Notched Izod Impact Strength						
-30°C, 注塑	--	--	--	10	kJ/m²	ISO 180/A
-30°C	5.0	10	--	--	kJ/m²	ISO 180/1A
23°C	11	17	--	--	kJ/m²	ISO 180/1A
23°C, 注塑	--	--	--	17	kJ/m²	ISO 180/A



Thermal	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Heat Deflection Temperature						ISO 75-2/A
1.8 MPa, 未退火	--	82.0	91.0	78.0	°C	
1.8 MPa, 退火	91.0	101	--	101	°C	
Vicat Softening Temperature						
--	100	--	--	--	°C	ISO 306/A50
--	93.0	102	98.0	--	°C	ISO 306/B50
CLTE - 流动 (23 到 55°C)	--	--	8.5E-5	--	cm/cm/°C	ISO 11359-2
Thermal Conductivity	--	--	0.18	--	W/m/K	DIN 52612
Electrical	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Surface Resistivity	--	--	1.0E+15	--	ohms	IEC 60093
Volume Resistivity	--	--	1.0E+15	--	ohms-cm	IEC 60093
Electric Strength (1.00 mm)	--	--	33	--	kV/mm	IEC 60243-1
Relative Permittivity						IEC 60250
100 Hz	--	--	3.10	--		
1 MHz	--	--	2.90	--		
Flammability	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
Burning Rate ⁶ (2.00 mm)	--	60	--	60	mm/min	ISO 3795
Flame Rating						
1.5 mm ⁶	--	HB	--	HB		UL 94
1.5 mm	--	--	HB	--		UL 94
1.6 mm ⁷	HB	--	--	--		Internal Method
3.0 mm ⁶	--	HB	--	HB		UL 94
3.2 mm ⁷	HB	--	--	--		Internal Method
Glow Wire Flammability Index						IEC 60695-2-12
2.0 mm	650	--	--	--	°C	
3.0 mm	--	--	600	--	°C	
Glow Wire Ignition Temperature (3.0 mm)	--	--	625	--	°C	IEC 60695-2-13
Additional Information	Sicoflex ABS MZ341	MAGNUM™ 3325 MT	Rotec® ABS 3001	MAGNUM™ 3525	单位制	测试方法
碳排放 ⁶	--	20.0	--	--	µg/g	VDA 277
雾化 ⁶ (100°C)	--	98	--	--	%	ISO 6452



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 2.0 mm/min
- ⁵ 3 点
- ⁶ 这个额定值并非为了反映这种或任何其他材料在实际起火条件下造成的危险。
- ⁷ 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/
MAGNUM™ 3325 MT	Trinseo , USA 电话: 888-789-7661 Web: http://www.trinseo.com/
Rotec® ABS 3001	ROMIRA GmbH Pinneberg, Germany 电话: +49-4101-706302 Web: http://www.romira.de/
MAGNUM™ 3525	Trinseo , USA 电话: 888-789-7661 Web: http://www.trinseo.com/



分销商

Sicoflex ABS MZ341

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MAGNUM™ 3325 MT

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Rotec® ABS 3001

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MAGNUM™ 3525

Nexeo Solutions - Europe

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