

Technical Data

产品说明		
Eastar™ GN119	Eastar™ GN119 Copolyester is a low-I.V. PETG, for sale only in Asia as a high-flow formulation. This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED®. The GREENGUARD INDOOR AIR QUALITY CERTIFIED® Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute (GEI). GEI is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program. The GREENGUARD Certification Program is an industry independent, third-party testing program for low-emitting products and materials for indoor environments. For more information about GEI and to obtain printable certificates for Eastman™ Copolyesters, visit www.greenguard.org. Choose Eastman Chemical Company under the Manufacturer category and click search to display a list of our products. Applications • Color cosmetics packaging • Packaging components non food contact • Skin care packaging	
SKYGREEN® J2003	SKYGREEN is a BPA free high-performance PETG with exceptional transparency, chemical resistance, and processability. Available in 4 unique grades, SKYGREEN's outstanding features make it an ideal choice for a variety of applications J SERIES SKYGREEN J meets the hardest demands of customers with its exceptional chemical resistance. Suited to a variety of applications including home appliances, SKYGREEN J maintains long-lasting clarity even under the toughest conditions. Key Attributes • High chemical resistant • Higher HDT than PETG Applications • Childcare • Homeappliance • Sheet • Cosmetic • Construction • Food • Drink	
总览	Eastar™ GN119	SKYGREEN® J2003
生产商/供应商	• Eastman Chemical Company	• SK Chemicals
通用符号	• PETG	• PCTG
材料状态	• 已商用：当前有效	• 已商用：当前有效
资料 ¹	• Technical Datasheet (English)	• Processing - Extrusion (English) • Processing - Extrusion Blow Molding (English) • Processing - Injection Molding (English) • Technical Datasheet (English)
UL 黄卡 ²	--	• E215991-270390
搜索 UL 黄卡	• Eastman Chemical Company • Eastar™	• SK Chemicals
供货地区	• 亚太地区	• 北美洲 • 欧洲 • 亚太地区
特性	• 低挥发 • 低粘度 • 流动性高	• 耐化学品性能，良好 • 清晰度，高 • 无 BPA • 优异的加工性能



总览	Eastar™ GN119	SKYGREEN® J2003		
用途	• 包装 • 包装，化妆品 • 个人护理	• 电器用具 • 非特定食品应用 • 化妆品 • 建筑应用领域 • 片材		
外观	--	• 清晰/透明		
形式	--	• 粒子		
物理性能	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
密度 / 比重	1.27	1.23	g/cm³	ASTM D792
收缩率 - 流动				ASTM D955
--	--	0.20 到 0.50	%	
23°C	0.20 到 0.50	--	%	
机械性能	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
抗张强度				
屈服	--	45.1	MPa	ASTM D638
屈服, 23°C	48.0	--	MPa	ASTM D638
屈服	--	44.0	MPa	ISO 527-2
断裂	--	53.0	MPa	ASTM D638
断裂, 23°C	24.0	--	MPa	ASTM D638
断裂	--	46.0	MPa	ISO 527-2
伸长率				
屈服	--	5.0	%	ASTM D638
屈服, 23°C	4.0	--	%	ASTM D638
屈服	--	4.4	%	ISO 527-2
断裂	--	340	%	ASTM D638
断裂, 23°C	75	--	%	ASTM D638
断裂	--	220	%	ISO 527-2
弯曲模量				
--	--	1790	MPa	ASTM D790
23°C	1900	--	MPa	ASTM D790
--	--	1600	MPa	ISO 178
弯曲强度				
--	--	66.7	MPa	ASTM D790
23°C	66.0	--	MPa	ASTM D790
--	--	60.0	MPa	ISO 178
冲击性能	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
悬壁梁缺口冲击强度				
-40°C	46	--	J/m	ASTM D256
23°C	84	860	J/m	ASTM D256
23°C	--	93	kJ/m²	ISO 180
无缺口悬臂梁冲击				ASTM D4812
-40°C	无断裂	--		
23°C	无断裂	--		
装有测量仪表的落镖冲击				ASTM D3763
-40°C, Energy at Peak Load	44.0	--	J	
23°C, Energy at Peak Load	35.0	--	J	



硬度	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
洛氏硬度				ASTM D785
R 级, 23°C	107	--		
R 级	--	105		
热性能	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
载荷下热变形温度				
0.45 MPa, 未退火	68.0	74.0	°C	ASTM D648
0.45 MPa, 未退火	--	76.0	°C	ISO 75-2/B
1.8 MPa, 未退火	60.0	64.0	°C	ASTM D648
1.8 MPa, 未退火	--	64.0	°C	ISO 75-2/A
光学性能	Eastar™ GN119	SKYGREEN® J2003	单位制	测试方法
透射率				ASTM D1003
总计	91.0	--	%	
--	--	90.0	%	
雾度	0.400	< 1.00	%	ASTM D1003
注射	Eastar™ GN119	SKYGREEN® J2003	单位制	
干燥温度	71	--	°C	
干燥时间	6.0	--	hr	
加工 (熔体) 温度	249 到 271	--	°C	
模具温度	16 到 38	--	°C	

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。



购买地点

供应商

Eastar™ GN119

Eastman Chemical Company

Kingsport, Kingsport USA

电话: 800-327-8626

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

SKYGREEN® J2003

SK Chemicals

电话: +82-2-2008-2292 (South East Asia); +1-949-336-8088 (USA); +49-6196-902-0612 (Germany)

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

分销商

Eastar™ GN119

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, Czech Republic, Denmark, Estonia, Finland, Germany, Ireland, Latvia, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Russian Federation, Slovakia, Slovenia, Sweden, Tunisia, United Kingdom

SKYGREEN® J2003

Global Plastics

电话: 800-417-4605

Web: <https://www.globalplastics.net/>

供货地区: North America

Marco Polo

电话: 631-629-4520

Web: <https://www.mar-pol.com/>

供货地区: North America

ResMart

电话: 844-738-8806

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

供货地区: North America