

Technical Data

总体

材料状态	• 已商用：当前有效		
资料 ¹	• Processing - Injection (English) • Technical Datasheet (English)		
搜索 UL 黄卡	• Chevron Phillips Chemical Company LLC • Marlex®		
供货地区	• 北美洲 • 拉丁美洲		
添加剂	• 紫外线稳定剂		
性能特点	• 高 ESCR (抗应力裂纹) • 己烯共聚单体	• 抗撞击性，良好 • 抗紫外线性能良好	• 良好的流动性
用途	• 农业应用	• 体育用品	• 玩具
机构评级	• AS/NZS 4020:2005 • ASTM D 2565	• ASTM D 4976-PE223 • FDA 21 CFR 177.1520(c) 3.2a ²	• NSF 51 • NSF 61
UL 档案号	• E54700		
形式	• 粉状		
加工方法	• 滚塑成型		

物理性能	额定值	单位制	测试方法
密度	0.939	g/cm ³	ASTM D1505
熔流率 (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
抗环境应力开裂			ASTM D1693A
10% Igepal, 模压成型, F50	130	hr	
100% Igepal, 模压成型, F50	> 1000	hr	
室外适用性	f1		UL 746C
机械性能	额定值	单位制	测试方法
抗张强度 ⁴ (屈服, 3.17 mm, 滚塑成形)	17.0	MPa	ASTM D638
伸长率 ⁴ (断裂, 3.17 mm, 滚塑成形)	750	%	ASTM D638
弯曲模量 ⁵			ASTM D790
2% 正割 : 3.17 mm, 滚塑成形	620	MPa	
正切 : 3.17 mm, 滚塑成形	760	MPa	
冲击性能	额定值	单位制	测试方法
ARM Impact			
-40°C, 3.20 mm	102	J	
-40°C, 6.35 mm	237	J	
硬度	额定值	单位制	测试方法
硬度计硬度 (邵氏 D, 模压成型)	59		ASTM D2240
热性能	额定值	单位制	测试方法
热变形温度			ASTM D648
0.45 MPa, 未退火, 3.17 mm, 滚塑成形	58.0	°C	
1.8 MPa, 未退火, 3.17 mm, 滚塑成形	41.0	°C	
脆化温度	-75.0	°C	ASTM D746A
维卡软化温度	110	°C	ASTM D1525 ⁶
熔融峰值温度	128	°C	ASTM D3418
结晶峰温 (DSC)	112	°C	ASTM D3418
可燃性	额定值	单位制	测试方法
UL 阻燃等级	HB		UL 94

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 Use conditions B through H per 21 CFR 176.170(c) Table 2. Single use articles containing food types I, II, IV-B, VI-A, VI-B, VII_B, and VIII. Repeated use articles contacting all food types defined in 21 CFR 176.170(c) Table 1.

³ 一般属性：这些不能被视为规格。

⁴ 类型 4, 51 mm/min

⁵ 13 mm/min

⁶ 标准 A (50°C/h), 压力1 (10N)

Marlex® HMN TR-935G

中密度聚乙烯

Chevron Phillips Chemical Company LLC

购买地点

供应商

Chevron Phillips Chemical Company LLC

The Woodlands, TX USA

电话: 800-231-1212

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

分销商

Amco Polymers

电话: 800-262-6685

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

供货地区: North America

M. Holland Canada Company

电话: 905-665-1168

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

供货地区: Canada

M. Holland Company

电话: 855-497-1403

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

供货地区: Mexico, United States

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– Kevin Chase, Owner & President, Chase Plastics



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