

Technical Data

产品说明

- Low Density Polyethylene (LDPE)
- Typical applications include lids
- Excellent clarity, flexibility, low warpage
- Complies with U.S. FDA 21 CFR 177.1520 (c) 2.1.
- Complies with Canadian HPFB No Objection (With Limitations)
- Consult the regulations for complete details.

DOW Polyethylene 959S Low Density Resin is a medium molecular weight distribution homopolymer. This resin has good processability over a wide range of molding conditions.

总体

材料状态	• 已商用：当前有效
资料 ¹	• Technical Datasheet
搜索 UL 黄卡	• 陶氏塑料
供货地区	• 北美洲 • 拉丁美洲 • 亚太地区
机构评级	• FDA 21 CFR 177.1520(c) 2.1 • HPFB (加拿大) No Objection ²
形式	• 颗粒料
加工方法	• 注射成型

物理性能	额定值 单位制	测试方法
比重	0.923 g/cm ³	ASTM D792
熔流率 (190°C/2.16 kg)	55 g/10 min	ASTM D1238
抗环境应力开裂 (50°C, 100% Igepal, F50)	< 1.00 hr	ASTM D1693

机械性能	额定值 单位制	测试方法
抗张强度		ASTM D638
屈服	11.0 MPa	
断裂	6.21 MPa	
伸长率		ASTM D638
屈服	3.0 %	
断裂	58 %	
弯曲模量 - 2% 正割	331 MPa	ASTM D790

冲击性能	额定值 单位制	测试方法
拉伸冲击强度 ⁴	118 kJ/m ²	ASTM D1822

硬度	额定值 单位制	测试方法
硬度计硬度 (邵氏 D)	48	ASTM D2240

热性能	额定值 单位制	测试方法
热变形温度 (0.45 MPa, 未退火)	46.1 °C	ASTM D648
脆化温度	-20.0 °C	ASTM D746
维卡软化温度	90.0 °C	ASTM D1525
熔融温度 (DSC)	110 °C	Internal Method
结晶峰温 (DSC)	100 °C	Internal Method

补充信息

根据 ASTM D 4976 进行基板模制和测试。

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 With limitations

³ 一般属性：这些不能被视为规格。

⁴ 类型 S

购买地点

供应商

陶氏塑料

Midland, MI USA
电话: 800-441-4369
Web: <http://plastics.dow.com/>

分销商

Entec Polymers

电话: 800-375-5440
Web: <http://www.entecpolymers.com/>
供货地区: North America

PolyOne Distribution

PolyOne Distribution is a global distribution company. Contact PolyOne Distribution for availability of individual products by country.
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– Kevin Chase, Owner & President, Chase Plastics



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