

# ExxonMobil™ LLDPE LL 8460 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

## Message:

LL 8460 is a linear low density ethane copolymer with excellent environmental stress cracking resistance and toughness. The resin can be ideally used for applications that require an optimal balance between processability, hardness and low temperature toughness.

General Information			
UL YellowCard	E116487-257989		
Additive	LLP8460.29: Long Term UV-15 Stabilizer LL 8460.29: Long Term UV-15 Stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693A
10% Igepal, F50	60.0	hr	ASTM D1693A
100% Igepal, F50	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	17.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	641	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°C, 3.18 mm	87	J	ARM
-40°C, 6.35 mm	258	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	54.0	°C	ASTM D648
1.8 MPa, not annealed	38.0	°C	ASTM D648
Peak Melting Temperature	126	°C	ASTM D3418
Additional Information			
¹- 除了 ESCR 是基于模压样本测定之外,所有物理性能均基于 3 mm 的滚塑样本 测定,除非注明的是其他值. 拉伸测试以 50 mm/min 的十字头速度进行.所报告的拉伸强度指的是在测试过 程中达到的最大应力. 可以修改测试流程以适应操作条件或设施限制.			
Legal statement			
有关潜在食品接触应用合规信息(例如:FDA,EU,HPFB),请与埃克森美孚化工客户服务代表联系.本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用			
NOTE			
1.	50 mm/min		
2.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

