

ExxonMobil™ LLDPE LL 8555 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 8555 is a linear low density ethane copolymer with excellent processability, good size control, whiteness and low warpage. The resin can be ideally used for applications that require excellent surface appearance and excellent balance between environmental stress cracking resistance, toughness and hardness.

General Information			
UL YellowCard	E117534-220066		
Additive	LLP8555.25: Long-term UV-8 stabilizer LL 8555.25: long-term UV-8 stabilizer		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693A
10% Igepal, F50	51.0	hr	ASTM D1693A
100% Igepal, F50	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	15.9	MPa	ASTM D638
Tensile Elongation ² (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	572	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°C, 3.18 mm	80	J	ARM
-40°C, 6.35 mm	203	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	52.0	°C	ASTM D648
1.8 MPa, not annealed	36.0	°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.			
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NOTE			
1.	50 mm/min		
2.	50 mm/min		

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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

