

ExxonMobil™ LLDPE LL 8450 Series

Linear Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

LL 8450 series is a linear low density ethane copolymer with excellent hardness, processability, whiteness and environmental stress cracking resistance. They can be ideally used for applications where a good balance between hardness and processability is required.

General Information	
Additive	LLP8450.32: Long Term UV-10 Stabilizer LL 8450.32: Long Term UV-10 Stabilizer

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693A
10% Igepal, F50	60.0	hr	ASTM D1693A
100% Igepal, F50	> 980	hr	ASTM D1693A

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	16.5	MPa	ASTM D638
Tensile Elongation ² (Yield)	20	%	ASTM D638
Flexural Modulus - 1% Secant	621	MPa	ASTM D790B

Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
-40°C, 3.18 mm	81	J	ARM
-40°C, 6.35 mm	217	J	ARM

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	50.0	°C	ASTM D648
1.8 MPa, not annealed	36.0	°C	ASTM D648
Peak Melting Temperature	126	°C	ASTM D3418

Additional Information

'- 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
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NOTE
1. 50 mm/min
2. 50 mm/min

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