

Ramislene LLR3933

Product Description

Ramislene LLR3933 is a linear low density hexene copolymer designed to offer excellent ESCR and toughness. This resin is ideally suited for applications that require the optimum balance of processability, stiffness and low temperature toughness..

General

Availability ¹	• Latin America	• North America	
Additive	• LLR3933 Long Term UV-15 Stabilizer: Yes	• LLR3933 Long Term UV-15 Stabilizer: Yes	
Applications	• Agricultural Tanks	• Large Size Playground Equipment	• Portable Water Tanks
	• Chemical Storage Tanks	• Pallets	• Septic Tanks
Forms	• Pellets	• Powder	

Resin Properties	Typical Value (English)	Typical Value (S)	Test Based on
Density	0.938 g/cm ³	0.938 g/cm ³	ASTM D1505
Melt Mass-Flow rate (MFR) (190° C/2.16 KG)	3.3 g/ 10 min	3.3 g/ 10 min	ASTM D1238(mod)

Thermal	Typical Value (English)	Typical Value (S)	Test Based on
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	129 °F	54°C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	99 °F	37°C	ASTM D648
Peak Melting Temperature	260°F	127°C	RAMISLENE method

Molded Properties	Typical Value (English)	Typical Value (S)	Test Based on
Tensile Strength at Yield 2.0 in/min (50 mm/min)	2600 psi	18 MPa	ASTM D638
Elongation at Yield (2.0 in/min (50 mm/min))	10 %	10%	ASTM D638
Flexural Modulus - 1% Secant	99000 psi	680 MPa	
Environmental Stress-Crack Resistance			ASTM D790B
10% Igepal, F50	60 hr	60 hr	ASTM D1693A
100% Igepal, F50	> 1000 hr	> 1000 hr	

Impact	Typical Value (English)	Typical Value (S)	Test Based on
Impact Strength			ARM
-40°F (-40°C), 0.125 in (3.18 mm)	39 ft-lb	53 J	
-40°F (-40°C), 0.250 in (6.35 mm)	114 ft-lb	154 J	

Additional Information

All physical properties were measured on 3 mm. rotomolded samples except for ESCR, which was measured on compression molded samples.

Legal Statement

Contact your Ramislene Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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