

ICORENE® 1314

Linear Medium Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

Message:

CORENE® 1314 is high performance hexene linear medium density polyethylene specifically developed for use in rotational moulding. ICORENE® 1314 is designed for use in many different rotomoulding applications. It has been designed for applications requiring good stiffness and toughness. It can be used for Food Contact applications.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	Good Toughness		
	Good UV Resistance		
	Hexene Comonomer		
Uses	Fuel Tanks		
	Industrial Tanks		
	Septic Tanks		
	Tanks		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179/1eA
Drop Impact Resistance ¹ (-20°C)	> 200	J/cm	Internal Method
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	67.0	°C	ISO 75-2/B
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NOTE

1. based on ISO 6603

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