

ICORENE® 3570

Linear Low Density Polyethylene
ICO Polymers NA, A Division of A. Schulman

Message:
ICORENE® 3570 is a linear low density polyethylene for rotational molding applications. The grade is stabilized to a UV 8 and suitable for applications requiring good stiffness and processability.

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
	Good toughness		
Appearance	Blue		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ASTM D1505
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	185	hr	ASTM D1693A
100% Igepal, F50	1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	20.7	MPa	ASTM D638
Flexural Modulus - 1% Secant ²	758	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.18 mm, Rotational Molded)	77	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	61.0	°C	ASTM D648
Additional Information			
Test data based on natural, unpigmented resin.			
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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Recommended distributors for this material

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