

# ICORENE® 3560

Linear Low Density Polyethylene

ICO Polymers NA, A Division of A. Schulman

## Message:

ICORENE® 3560 is a polyethylene developed for rotational molding applications. Intended applications are primarily large hollow objects, including toys, playground equipment, and a variety of other products.

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
	Low temperature impact resistance		
Uses	General		
	Toys		
Appearance	Black		
	Available colors		
Forms	Powder		
	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
10% Igepal, F50	92.0	hr	ASTM D1693
100% Igepal, F50	1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	17.2	MPa	ASTM D638
Flexural Modulus	600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.18 mm, Rotational Molded)	75	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	35.0	°C	ASTM D648
Additional Information			
Test data is for natural, unpigmented resin.			

## NOTE

1. Type 4, 51mm/min

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### Recommended distributors for this material

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