

# ICORENE® 3550

Linear Low Density Polyethylene

ICO Polymers NA, A Division of A. Schulman

## Message:

General purpose linear low density polyethylene compound offering quick cycles and part to part consistency.  
Available as pellet or powder.

General Information			
Additive	UV stabilizer		
Features	Fast molding cycle		
Uses	General		
Appearance	Black		
	Available colors		
Forms	Powder		
	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.932 - 0.937	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	< 5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, Rotational Molded)	13.8	MPa	ASTM D638
Tensile Elongation (Yield)	20	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	600	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, Rotational Molded)	55.0	°C	ASTM D648
Additional Information			
Test data for natural, unpigmented resin.			
NOTE			
1.	Compression Molded		
2.	51 mm/min		

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Recommended distributors for this material

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