

ICORENE® 3940

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

Message:

ICORENE® 3940 is a linear low density polyethylene specifically developed for rotational moulding.
ICORENE® 3940 is suitable for use in general purpose applications. It has a good balance of properties such as toughness and stiffness.

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	Good UV resistance		
	Workability, good		
	Good toughness		
	General		
Uses	Container		
	Water tank		
	General		
Appearance	Unspecified Color		
	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal)	45.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus	730	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	170	J/cm	Internal method
NOTE			

1. Based on ISO 6603

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