

ICORENE® 3940

Linear Medium Density Polyethylene

ICO Polymers NA, A Division of A. Schulman

Message:

ICORENE® 3940 is a linear medium density polyethylene developed for rotational molding applications. The resin is fully UV stabilized and suitable for general purpose applications.

General Information			
Additive	UV stabilizer		
Features	Ablation resistance		
	General		
Uses	General		
Appearance	Black		
	Available colors		
Forms	Powder		
	Particle		
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)	3.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield ¹	17.2	MPa	ASTM D638
Fracture	28.1	MPa	ASTM D638
Flexural Modulus ²	758	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.18 mm)	69	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	15.6	°C	ASTM D648
1.8 MPa, not annealed	38.0	°C	ASTM D648
Additional Information			
Test data for natural, unpigmented resin.			
NOTE			
1.	50 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

