

ICORENE® 3545

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

Message:

ICORENE® 3545 is a linear low density polyethylene specifically developed for rotational moulding.
ICORENE® 3545 is suitable for use in general purpose applications. It has a good balance of properties such as toughness, easy flow and stiffness.

General Information			
Additive	UV Stabilizer		
Features	General Purpose		
	Good Flow		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
	High Stiffness		
Uses	Containers		
	General Purpose		
	Tanks		
Appearance	Natural Color		
	Unspecified Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal)	30.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	18.0	MPa	ASTM D638
Flexural Modulus	650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	180	J/cm	Internal Method
NOTE			

1. Based on ISO 6603

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