

ICORENE® 3933

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

Message:

ICORENE® 3933 is a Linear Medium Density Polyethylene product. It can be processed by rotational molding and is available in Latin America. Typical application: Food Contact Applications.
Characteristics include:
Copolymer
Food Contact Acceptable
Good Processability
Good Stiffness
Good UV Resistance

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Good UV Resistance		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693A
10% Igepal	145	hr	
100% Igepal	> 1000	hr	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	20.5	MPa	ASTM D638
Tensile Elongation ² (Break)	> 1000	%	ASTM D638
Flexural Modulus ³	760	MPa	ASTM D790
Aging	Nominal Value	Unit	Test Method
Accelerated Aging	11.0	month	ASTM G26
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	60.0	°C	

1.8 MPa, Unannealed	41.0	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	1.3 mm/min	

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