

ICORENE® 3440

Polyethylene Copolymer
ICO Polymers SA, A Division of A. Schulman

Message:

ICORENE® 3440 is a Polyethylene Copolymer (PE Copolymer) product. It can be processed by rotational molding and is available in Latin America. Typical application: Food Contact Applications.

Characteristics include:

- Butene Comonomer
- Copolymer
- Food Contact Acceptable
- Good Processability
- Good Stiffness

General Information			
Additive	UV Stabilizer		
Features	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Good UV Resistance		
	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	0.934	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	21.0	MPa	ASTM D638
Tensile Elongation ² (Break)	1000	%	ASTM D638
Flexural Modulus ³	720	MPa	ASTM D790
Aging	Nominal Value	Unit	Test Method
Accelerated Aging	5.5	month	ASTM G26
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°C	ASTM D1525
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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