

ICORENE® 3542

Polyethylene Copolymer

ICO Polymers SA, A Division of A. Schulman

Message:

ICORENE® 3542 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

Impact Resistant

General Information			
Features	Butene Comonomer		
	Copolymer		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural 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)	4.2	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	400	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 1000	%	ASTM D638
Flexural Modulus ³	450	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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