

# ICORENE® 1613

Linear Medium Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 1613 is a hexene linear medium density polyethylene specifically developed for use in rotational moulding.

ICORENE® 1613 is designed for applications requiring good processability, stiffness and toughness. The constituents of this product are suitable for food contact applications.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	Good Toughness		
	Good UV Resistance		
	Hexene Comonomer		
Uses	Tanks		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm <sup>3</sup>	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, Rotational Molded)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Flexural Modulus	750	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance <sup>1</sup> (-20°C)	> 200	J/cm	Internal Method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Melting Temperature	127	°C	ASTM D2117
NOTE			

1. based on ISO 6603

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