

ICORENE® 1613 BK85

Linear Medium Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 1613 BK85 is a hexene linear medium density polyethylene specifically developed for use in rotational moulding.

ICORENE® 1613 BK85 is designed for applications requiring good processability, stiffness and toughness. This product is particularly suitable for the production of diesel fuel tanks.

TUV ECE R34 tested

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	hexene comonomer		
	Impact resistance, good		
	Good UV resistance		
	Workability, good		
	Good toughness		
Uses	Fuel Tank		
Appearance	Black		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm³	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)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	850	MPa	ASTM D638
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 ¹ (-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
NOTE			

1. Based on ISO 6603

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