

ICORENE® 1741

Metallocene High Density Polyethylene
ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 1741 is a metallocene high density polyethylene specifically developed for use in rotational moulding.
ICORENE® 1741 is designed for use in many different rotomoulding applications. It has good overall mouldability, high rigidity and very good toughness.

General Information			
Additive	UV Stabilizer		
Features	Good Impact Resistance		
	Good Moldability		
	Good Toughness		
	Good UV Resistance		
	High Rigidity		
Uses	Tanks		
	Thick-walled Parts		
Appearance	Unspecified Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal)	30.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	210	J/cm	ASTM D4226
NOTE			
1.	Based on ISO 6603		

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