

ICORENE® 1041

Linear Low Density Polyethylene

A. Schulman Europe

Message:

ICORENE® 1041 is a linear low density polyethylene specifically developed for rotational moulding.

This grade is suitable for use in general purpose applications. It has a good balance of properties such as toughness, easy flow and stiffness.

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	Good UV resistance		
	Workability, good		
	Good liquidity		
	Good toughness		
Uses	Agricultural water tank		
	Container		
	General		
Appearance	Unspecified Color		
	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.932	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	17.0	MPa	ASTM D638
Fracture	20.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	28	%	ASTM D638
Fracture	1300	%	ASTM D638
Flexural Modulus	490	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹			Internal method
-40°C	190	J/cm	Internal method
-20°C	180	J/cm	Internal method
23°C	140	J/cm	Internal method

NOTE

1. Based on ISO 6603

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