

ICORENE® 1901

Ethylene-based Plastomer

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® 1901 is an ethylene based octene plastomer powder developed for rotational moulding.
ICORENE® 1901 is particularly suitable for use in flexible applications.

General Information			
Additive	UV Stabilizer		
Features	Good Flexibility		
	Good Toughness		
	Good UV Resistance		
	Octene Comonomer		
Uses	Flotation Devices		
	Furniture		
	Outdoor Furnishings		
Appearance	Natural Color		
	Unspecified Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	5.00	MPa	
Break	9.50	MPa	
Tensile Elongation			ASTM D638
Yield	150	%	
Break	1600	%	
Flexural Modulus	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	180	J/cm	Internal Method
NOTE			

1. Based on ISO 6603

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