

# ICORENE® 1210

Linear Low Density Polyethylene

A. Schulman Europe

## Message:

ICORENE® 1210 is a hexene linear low density polyethylene specifically developed for use in rotational moulding. ICORENE® 1210 is designed for applications requiring toughness and flexibility. This grade is suitable for use in many applications such as marine buoys,street furniture, or intermediate bulk containers (IBCs).

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	Good UV resistance		
	Workability, good		
	High liquidity		
	Good toughness		
Uses	Industrial container		
	Container		
	General		
Appearance	Unspecified Color		
	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 10% Igepal)	> 1000	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	52		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ISO 527
Tensile Elongation (Break)	> 1300	%	ASTM D638
Flexural Modulus (23°C)	500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance <sup>1</sup> (-20°C)	> 20.0	J/cm	Internal method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Annealed)	54.0	°C	ISO 75-2/B

Vicat Softening Temperature	107	°C	ISO 306/A
Melting Temperature	125	°C	ASTM D2117

NOTE

1. Based on ISO 6603

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

