

# ICORENE® 1050

High Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

## Message:

ICORENE® 1050 is a high density polyethylene specifically developed for rotational moulding.

ICORENE® 1050 is a very fast processing material suitable for use in many different applications. It has a good balance of properties such as toughness and stiffness.

General Information			
Additive	UV Stabilizer		
Features	Balanced Stiffness/Toughness		
	Good Processability		
	Good UV Resistance		
	High Impact Resistance		
Uses	Water Sports Equipment		
Appearance	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.8	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Break)	610	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance <sup>1</sup> (-20°C)	170	J/cm	Internal Method
NOTE			
1.	based on ISO 6603		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

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

