

ICORENE® 5775

High Density Polyethylene

A. Schulman Europe

Message:

ICORENE® 5775 is a high density polyethylene specifically developed for rotational moulding.
This grade is particularly suitable for use in kayaks and boat applications. It has very high stiffness and scratch resistance.

General Information			
Additive	UV stabilizer		
Features	Super rigidity		
	High scratch resistance		
	Good UV resistance		
	Workability, good		
Uses	Water Sports Equipment		
Appearance	Unspecified Color		
	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.943	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance ¹ (-20°C)	180	J/cm	Internal method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	128	°C	ASTM D2117
NOTE			

1. Based on ISO 6603

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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

