

# ICORENE® 3979

Metallocene High Density Polyethylene

ICO Polymers APAC, A Division of A. Schulman

## Message:

ICORENE™ 2018 is a low density polyethylene resin that is suitable for both carpet backing and binding of fibre and non-wovens. The high melt flow of this grade results in improved flow and ease of processing.

ICORENE™ 2018 is available as a natural powder in a range of grind specifications to suit the application.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Surface Finish		
	Good UV Resistance		
	High Flow		
	High Hardness		
	High Impact Resistance		
	High Rigidity		
	Low Warpage		
Uses	Tanks		
	Water Sports Equipment		
	Wheels		
Appearance	Colors Available		
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)	4.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	80.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	20.4	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	620	%	ASTM D638
Flexural Modulus	870	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.20 mm)	102	J	ARM
UV Rating <sup>3</sup>	8000	hr	ASTM 2565
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	50% Retained Tensile Elongation

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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

