

# ICORENE® 3855

Medium Density Polyethylene

A. Schulman Europe

Message:

ICORENE® 3855 is a hexene medium density polyethylene with outstanding processability, specifically developed for rotational moulding. This grade is suitable for use in general purpose applications. It has a good balance of properties such as toughness, easy flow and stiffness. ICORENE® 3855 is fully UV stabilized.

General Information			
Additive	UV stabilizer		
Features	Rigid, good		
	Good UV resistance		
	Workability, good		
	Good toughness		
Uses	Container		
	General		
Appearance	Unspecified Color		
	Natural color		
Forms	Powder		
	Granule 2		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.0	MPa	ISO 527
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Drop Impact Resistance <sup>1</sup> (-20°C)	16.0	J/cm	Internal method
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	116	°C	ISO 306
Melting Temperature	127	°C	DSC
NOTE			

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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

