

ICORENE® N2805

High Density Polyethylene

ICO Polymers EMEA, A Division of A. Schulman

Message:

ICORENE® N2805 is a premium HDPE powder with a good balance between the processability and mechanical properties. It has high gloss and high dimensional stability.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Processability		
	High Gloss		
Uses	Automotive Interior Trim		
	Carpet Backing		
	Masterbatch		
Agency Ratings	EU Unspecified Rating		
	FDA Unspecified Rating		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	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)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	850	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ASTM D1525
Peak Melting Temperature	133	°C	ASTM D3418

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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

