

ETILINAS HD5226AA

High Density Polyethylene
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD5226AA is an easy flow high density polyethylene suitable for thin wall injection moulding applications. Characteristics include: high flow, fast process cycles, and low moulding warpage. Applications include: houseware, and thin walled containers.

General Information			
Features	Low warpage		
	Fast molding cycle		
	High liquidity		
Uses	Thin wall container		
	Household goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	26	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2/2
Tensile Strain (Break)	250	%	ISO 527-2/2
Flexural Modulus	1100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	4.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ISO 306/A
Melting Temperature (DSC)	130	°C	ISO 3146
Thermal Conductivity	0.48	W/m/K	ASTM C177
Additional Information			
Density, ISO 1872/1, Annealed: 953 kg/m ³			

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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

