

# ETILINAS HD5218AA

High Density Polyethylene  
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD5218AA is a high density polyethylene with easy melt flow, suitable for thin wall injection moulding applications. Characteristics include: good melt flow, fast process cycles, and low moulding warpage. Applications include: houseware, thin walled containers, and toys.

General Information			
Features	Low warpage		
	Fast molding cycle		
	Good liquidity		
Uses	Thin wall container		
	Household goods		
	Toys		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/2
Tensile Strain (Break)	300	%	ISO 527-2/2
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.0	kJ/m <sup>2</sup>	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: 952 kg/m <sup>3</sup>			

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