

# ETILINAS HD5403AA

High Density Polyethylene  
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD5403AA is a medium molecular weight copolymer grade, supplied in pellet form, which has an optimum balance of properties for use in a wide range of blow moulding and extrusion applications.

Characteristics include: easy processing, good rigidity, high environmental stress cracking resistance, and good impact strength.

Applications include: blow moulded containers up to 30 liters capacity for packaging chemicals, most household products, oils and foodstuffs, extruded net, and non-pressure pipe.

General Information	
Features	High ESCR (Stress Cracking Resistance)  Copolymer  Impact resistance, good  Workability, good  Medium hardness
Uses	Packaging  Blow molding applications  Piping system  Container
Forms	Particle
Processing Method	Blow molding  Pipeline extrusion molding  Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.25	g/10 min	ISO 1133
190°C/5.0 kg	1.1	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/2
Tensile Strain (Break)	300	%	ISO 527-2/2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	12	kJ/m <sup>2</sup>	ISO 179

Additional Information	
Density, ISO 1872/1: 954 kg/m³Bottle Stress Crack Resistance, BP Chemicals Method: 17 hr	

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Recommended distributors for this material

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