

# ETILINAS HD5201AA

High Density Polyethylene  
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS HD5201AA is a high molecular weight Hexene-1 based copolymer grade supplied in pellet form for medium and large blow moulding applications where a combination of excellent environmental stress cracking resistance and good rigidity is required.

Characteristics include: excellent environmental stress cracking resistance, good rigidity, high melt strength, and high impact strength.

Applications include: high performance blow moulded containers typically of 1-60 liters capacity for packaging aggressive products, robust industrial and technical mouldings, and non-pressure pipe.

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	Copolymer		
	Impact resistance, high		
	Good melt strength		
	Medium hardness		
Uses	Blown Containers		
	Packaging		
	Blow molding applications		
	Industrial application		
	Piping system		
Forms	Particle		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	9.0	g/10 min	ISO 1133
190°C/5.0 kg	0.50	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (F50)	800	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2/2
Tensile Strain (Break)	600	%	ISO 527-2/2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	22	kJ/m <sup>2</sup>	ISO 179
Additional Information			
Density, ISO 1872/1, Annealed: 950 kg/m <sup>3</sup> Bottle Stress Crack Resistance, BP Chemicals Method: 90 to 130 hr			
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 210	°C	

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