

# polyvic® M-1842-GL 31LS

Polyvinyl Chloride

Unipack Plasindo

## Message:

PVC Compound Super High Impact Strength  
M-1842-GL 31 LS, white opaque compound, has an balance stiffness for and impact resist, designed for bottle application 1000-1500 ml (Depend design and thickness of the bottle).  
Features  
Super High Impact Strength  
Processing Method  
Blow Molding  
Typical Applications  
Bottle

General Information			
Features	Good Stiffness		
	High Impact Resistance		
Uses	Bottles		
Appearance	Opaque		
	White		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	14		ASTM D785
Durometer Hardness (Shore D)	76		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	47.7	MPa	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	64.6	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	52.9	°C	ASTM D648
Vicat Softening Temperature	79.0	°C	ASTM D256
Extrusion	Nominal Value	Unit	
Hopper Temperature	145 to 150	°C	
Cylinder Zone 1 Temp.	145 to 155	°C	
Cylinder Zone 2 Temp.	150 to 155	°C	
Cylinder Zone 3 Temp.	155 to 160	°C	
Cylinder Zone 4 Temp.	165 to 170	°C	

Cylinder Zone 5 Temp.	165 to 170	°C
Die Temperature	170 to 175	°C

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#### Recommended distributors for this material

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