

polyvic® IM-1822-FT 31

Polyvinyl Chloride

Unipack Plasindo

Message:

PVC Compound Medium Impact Strength
IM-1822-FT 31, white opaque compound, has an balance stiffness for plaint tee, electric component application & pipe fitting.

- Features
- Medium Impact Strength
- Processing Method
- Injection Molding
- Typical Applications
- Plaint Tee
- Electric Component
- Pipe Fitting

General Information			
Features	Rigid, good		
	Medium impact resistance		
Uses	Electrical components		
	Accessories		
Appearance	White		
	Opacity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	13		ASTM D785
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	57.9	MPa	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	10.3	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	68.0	°C	ASTM D648
Vicat Softening Temperature	53.0	°C	ASTM D256
Injection	Nominal Value	Unit	
Rear Temperature	145 - 150	°C	
Middle Temperature	150 - 155	°C	

Front Temperature	155 - 160	°C
Nozzle Temperature	165 - 170	°C
Injection Rate	Moderate	
Back Pressure	0.500 - 0.800	MPa
Screw Speed	30 - 60	rpm

Injection instructions

Die pin temperature : 170—175°C

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