

polyvic® IM-1842-CL 31

Polyvinyl Chloride

Unipack Plasindo

Message:

PVC Compound Medium Impact Strength
IM-1842-CL 31, natural color compound, has an balance stiffness and impact resist, designed for extrusion profile (edge bending)
Features
Medium Impact Strength
Processing Method
Extrusion
Typical Applications
Profile (edge bending)

General Information			
Features	Good Stiffness		
	Medium Impact Resistance		
Uses	Profiles		
Appearance	Natural Color		
Processing Method	Profile Extrusion		
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)	14		ASTM D785
Durometer Hardness (Shore D)	76		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	58.8	MPa	ASTM D638
Tensile Elongation (Break)	180	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	7.94	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	53.8	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm, All Colors	V-0		
3.00 mm, All Colors	V-0		
Extrusion	Nominal Value	Unit	
Hopper Temperature	150 to 155	°C	
Cylinder Zone 1 Temp.	150 to 155	°C	
Cylinder Zone 2 Temp.	155 to 160	°C	
Cylinder Zone 3 Temp.	155 to 160	°C	
Cylinder Zone 4 Temp.	160 to 165	°C	

Cylinder Zone 5 Temp.	165 to 170	°C
Adapter Temperature	160 to 165	°C

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