

polyvic® E-1828-IL

Polyvinyl Chloride

Unipack Plasindo

Message:

PVC Compound Medium Impact Strength
E-1828-IL, medium clarity with clear, has an balance stiffness and impact resist, designed for profile transparent (IC tube)
Features
Medium Impact Strength
Processing Method
Extrusion
Typical Applications
Profile (IC tube)

General Information			
Features	Good Stiffness		
	Medium Clarity		
	Medium Impact Resistance		
Uses	Profiles		
	Tubing		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	17		ASTM D785
Durometer Hardness (Shore D)	81		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)	7.62	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	55.2	°C	ASTM D648
Vicat Softening Temperature	81.6	°C	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Burning Rate	4.3	mm/min	ASTM D635
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003

Extrusion	Nominal Value	Unit
Hopper Temperature	145 to 150	°C
Cylinder Zone 1 Temp.	145 to 150	°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.	170 to 175	°C
Adapter Temperature	165 to 170	°C

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