

polyvic® E-1838-IL

Polyvinyl Chloride

Unipack Plasindo

Message:

- PVC Compound High Impact Strength
- E-1838-IL, medium clarity with clear, has an balance stiffness and impact resist, designed for profile transparent (IC tube)
- Features
 - Low Impact Strength
 - High Clarity
 - Processing Methode
 - Blow Molding
 - Typical Applications
 - Bottle

General Information			
Features	Rigid, good		
	Impact resistance, high		
	Medium transparency		
Uses	Pipe fittings		
	Profile		
Appearance	Clear/transparent		
Processing Method	Extrusion		
	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	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	22.4	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	55.9	°C	ASTM D648
Vicat Softening Temperature	78.2	°C	ASTM D256
Flammability	Nominal Value	Unit	Test Method
Burning Rate	4.4	mm/min	ASTM D635
Optical	Nominal Value	Unit	Test Method

Transmittance	88.8	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Hopper Temperature	145 - 150	°C	
Cylinder Zone 1 Temp.	145 - 150	°C	
Cylinder Zone 2 Temp.	150 - 155	°C	
Cylinder Zone 3 Temp.	155 - 160	°C	
Cylinder Zone 4 Temp.	165 - 170	°C	
Cylinder Zone 5 Temp.	170 - 175	°C	
Adapter Temperature	165 - 170	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

