

# polyvic® E-1822-PL 31

Polyvinyl Chloride

Unipack Plasindo

## Message:

PVC Compound Medium Impact Strength  
E-1822-PL 31, white color compound, has an balance stiffness and impact resist, designed for extrusion profile and pipe.  
Features  
Medium Impact Strength  
Processing Methode  
Extrusion  
Typical Applications  
Profile, pipe

| General Information |                          |
|---------------------|--------------------------|
| Features            | Good Stiffness           |
|                     | Medium Impact Resistance |
| Uses                | Piping                   |
|                     | Profiles                 |
| Appearance          | White                    |
| Processing Method   | Pipe Extrusion           |
|                     | Profile Extrusion        |

| Physical  | Nominal Value | Unit              | Test Method |
|---|---------------|-------------------|-------------|
| Specific Gravity  | 1.40          | g/cm <sup>3</sup> | ASTM D792   |
| Hardness  | Nominal Value | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                             | 14            |                   | ASTM D785   |
| Durometer Hardness (Shore D)                            | 79            |                   | 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)                              | 10.0          | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal   | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 53.8          | °C                | ASTM D648   |
| 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.                                   | 160 to 165    | °C                |             |

|                       |            |    |
|-----------------------|------------|----|
| Cylinder Zone 5 Temp. | 170 to 175 | °C |
| Adapter Temperature   | 160 to 165 | °C |

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