

# polyvic® E-1822-PV 31

Polyvinyl Chloride

Unipack Plasindo

## Message:

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

| General Information  |                          |                   |             |
|--|--------------------------|-------------------|-------------|
| Features   | Good Stiffness           |                   |             |
|  | Medium Impact Resistance |                   |             |
| Uses   | Profiles                 |                   |             |
| Appearance   | White                    |                   |             |
| Processing Method  | Profile Extrusion        |                   |             |
| Physical   | Nominal Value            | Unit              | Test Method |
| Specific Gravity   | 1.52                     | g/cm <sup>3</sup> | ASTM D792   |
| Hardness   | Nominal Value            | Unit              | Test Method |
| Rockwell Hardness (R-Scale)  | 14                       |                   | ASTM D785   |
| Durometer Hardness (Shore D)                                       | 83                       |                   | ASTM D2240  |
| Mechanical   | Nominal Value            | Unit              | Test Method |
| Tensile Strength   | 49.0                     | MPa               | ASTM D638   |
| Tensile Elongation (Break)   | 150                      | %                 | ASTM D638   |
| Impact   | Nominal Value            | Unit              | Test Method |
| Notched Izod Impact (Area)   | 7.16                     | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal  | Nominal Value            | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed)            | 67.0                     | °C                | ASTM D648   |
| Additional Information   | Nominal Value            | Unit              |             |
| Xenon Lamp Test - UV Life Period / Time to Yellowness <sup>1</sup> | 5.5                      | month             |             |
| 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 |
| NOTE                |            |    |

1. equal to 2 years

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