

## Technical Data Sheet



## Polyvin PVC 5824

Polyvinyl Chloride  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

Flexible PVC formulation for interior molding applications requiring good dry touch, excellent weathering and ease of processing.

**General**

|                   |                      |
|-------------------|----------------------|
| Material Status   | • Commercial: Active |
| Availability      | • North America      |
| Processing Method | • Injection Molding  |

| Physical                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|-----------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity              | 1.28                    | 1.28 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                              | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength <sup>1</sup> (Yield)   | 1250 psi                | 8.60 MPa               | ASTM D638   |
| Tensile Elongation <sup>1</sup> (Break) | 330 %                   | 330 %                  | ASTM D638   |
| Elastomers                              | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tear Strength <sup>2</sup>              | 114 lbf/in              | 20.0 kN/m              | ASTM D1004  |
| Hardness                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Durometer Hardness (Shore A, 15 sec)    | 55                      | 55                     | ASTM D2240  |

**Notes**

<sup>1</sup> Type IV, 20 in/min (500 mm/min)

<sup>2</sup> Die C

**Notes**

These are typical property values not to be construed as specification limits.

**Processing Techniques**

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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