



Technical Data Sheet

# Polyvin PVC 4507

Polyvinyl Chloride  
LyondellBasell Industries  
Engineering Plastics

**Product Description**

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

**General**

Processing Method • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.21	1.21 g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>1</sup> (Yield)	700 psi	4.83 MPa	ASTM D638
Tensile Elongation <sup>1</sup> (Break)	350 %	350 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength <sup>2</sup>	145 lbf/in	25.4 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A)	56	56	ASTM D2240

Technical Data Sheet

# Polyvin PVC 4507

Polyvinyl Chloride  
LyondellBasell Industries  
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Rear Temperature	345 °F	174 °C
Middle Temperature	355 °F	179 °C
Front Temperature	355 °F	179 °C
Nozzle Temperature	350 °F	177 °C
Processing (Melt) Temp	350 °F	177 °C
Mold Temperature	80 to 100 °F	27 to 38 °C

**Notes**

<sup>1</sup> Type IV, 20 in/min (510 mm/min)

<sup>2</sup> 2.0 in/min (51 mm/min)

**Notes**

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