

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 ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	700 psi	4.83 MPa	ASTM D638
Tensile Elongation ¹ (Break)	350 %	350 %	ASTM D638
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength ²	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

¹ Type IV, 20 in/min (510 mm/min)

² 2.0 in/min (51 mm/min)

Notes

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