



Polyvin PVC 7974GLN-01 NATURAL

LyondellBasell Industries - Polyvinyl Chloride

General Information

Product Description

Flexible PVC formulation for general purpose injection molding applications requiring good flow for multiple cavity tools

General

Processing Method • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	1650	psi	ASTM D638
Tensile Elongation ² (Break)	200	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	99.9	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	76		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	334	°F
Middle Temperature	345	°F
Front Temperature	354	°F
Nozzle Temperature	351	°F
Processing (Melt) Temp	351	°F
Mold Temperature	70 to 109	°F
Injection Pressure	650 to 801	psi
Holding Pressure	200 to 249	psi
Back Pressure	24.9 to 50.0	psi
Screw Speed	40 to 70	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, 20 in/min

³ Die C, 2.0 in/min