

Technical Data

Product Description

VINPOL PH140 is a homopolymer polypropylene with high flow properties designed for injection molding. Typical applications include home appliances, agricultural and industrial equipment parts.

General

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>		
Availability	• North America		
Features	• General Purpose	• High Flow	• Homopolymer
Uses	• Agricultural Applications	• Appliances	• Industrial Applications
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	0.900 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14 g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 2.0 %	Internal Method

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	33.0 MPa	ASTM D638
Tensile Elongation (Yield)	> 500 %	ASTM D638
Flexural Modulus	1570 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	39 J/m	ASTM D256

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	100	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	110 °C	ASTM D648
Vicat Softening Temperature	153 °C	ASTM D1525
Peak Melting Temperature	165 °C	ASTM D3418

Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

