



INVISTA™
POLYPROPYLENE

PCR50-I20N

50% PCR-containing Compound

Features: Nucleated compound of virgin PP and post-consumer recycled (PCR) PP.

Applications: Injection molding for packaging and consumer products.

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	20 g/10min		D1238
Density	0.90 g/cm ³		D1505
Primary Melting Temperature	160 -163 °C	320 – 325 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	27 MPa	3950 psi	D 638
Tensile Elongation @ yield	9%		D 638
Flexural Modulus - Secant	1110 MPa	161 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	95 °C	203 °F	D 648
Notched Izod @ 23°C	69 J/m	1.3 ft-lb/in	D 256
Yellowness index	-6		

Developmental Product

Developmental product values are based on limited data.

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The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated and should be so considered. Since processing variables are a major factor in product performance, this information should serve only as a guide. Since customers' testing conditions are outside our control, the reproducibility of our data in a customer's testing facility is not guaranteed. Customer should confirm results under its testing conditions. There is no implied warranty of merchantability or fitness for a particular purpose. Establishing satisfactory performance of the product for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or non-existence of any patents claiming any pertinent subject matter presented herein. The Company assumes no obligation, express or implied, or liability for use or reliance on the information and data presented. INV Polypropylene, LLC disclaims all product warranties expressed or implied, including warranties of fitness for particular purpose or of merchantability. Further, this product is not intended for use in the manufacture of any form of implanted medical or surgical device. © 2026 INV Polypropylene, LLC. All rights reserved.