

# R02C-00

POLYPROPYLENE RANDOM COPOLYMER

## TECHNICAL DATASHEET

### Product Description

R02C-00 is a low flow rate, high clarity random copolymer designed for sheet extrusion, thermoforming, and blow molding where improved stiffness is required. This grade meets the requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520.<sup>1</sup>

### Typical Properties<sup>2</sup>

Property	English Units	SI Units	ASTM Method
<b>Resin Properties</b>			
Density		0.903 g/cc	D792
Melt Flow Rate (230°C/2.16 kg)		2.3 g/10 min	D1238
<b>Injection Molded Specimen Test</b>			
Tensile Strength (2 in/min) @ Yield	5,230 psi	36.1 MPa	D638
Elongation (2 in/min) @ Yield	11 %	11 %	D638
Flexural Modulus, 1% Secant	211,000 psi	1,460 MPa	D790A
Notched Izod Impact Strength @ 23°C	0.8 ft-lb/in	4.3 kJ/m <sup>2</sup>	D256
Hardness, Rockwell R	96	96	D785
HDT @ 66 psi (455 kPa)	219 °F	104 °C	D648
Haze @ 23 °C, 50-mil (1.3 mm) plaque	17 %	17 %	D1003
Shrinkage, 48 hrs. MD/TD	1.7/2.0 %	1.7/2.0 %	D955

<sup>1</sup>Consult the Regulatory Position Statement for specific use conditions and limitations.

<sup>2</sup>Typical property values will vary and are not to be used as specification limits.

## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices. For further information, please refer to the Regulatory Position Statement (RPS) online at [www.ineos-op.com](http://www.ineos-op.com), or call + 1-800-527-5419.

## Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Safety Data Sheet (SDS) contains the available product health and safety information for this material and can be found at [www.ineos-op.com](http://www.ineos-op.com). Before using any material, a customer is advised to consult the SDS for the product under consideration for use.

The Safety Data Sheet for this product contains shipping descriptions and should be consulted, before transportation, as a reference in determining the proper shipping description. If the material shipped by INEOS O&P is altered or modified, different shipping descriptions may apply and the SDS of the original material should not be used.

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