TECHNICAL DATA SHEET

# HYOSUNG VINA CHEMICALS

HYOSUNG Polypropylene
The Next Circular Economy

# R805C

**Polypropylene Random Copolymer**
**For Extrusion Coating / Lamination**

## Product Description

**HYOSUNG Polypropylene R805C** is a polypropylene random copolymer manufactured by under the Spheripol process. This grade is designed to potential end use applications include extrusion coating/lamination, film and packaging. It exhibits low neck-in, low coating temperature, high speed processability and good adhesive property to paper and Kraft paper, Oil & moisture permeation resistance.

## Characteristics

**Typical Application** PP woven bag, Resin, fish, steel tube, dog food packaging

**Features** Low neck-in / Low coating temperature / High speed processability / Good adhesive property / Good sealability / Oil resistance / Clarity

## Typical Properties

| Characteristics | Method | Value | Unit |
|---|---|---|---|
| **Physical** | | | |
| Melt Index (230℃, 2.16kg) | ASTM D1238 | **28.0** | g/10min |
| Density | ASTM D792 | **0.90** | g/㎤ |
| **Mechanical** | | | |
| Tensile Strength at Yield | ASTM D638 | **250** | kg/㎠ |
| Flexural Modulus | ASTM D790 | **10,000** | kg/㎠ |
| Notched Izod Impact Strength (23℃) | ASTM D256 | **14.0** | kg·cm/cm |
| Rockwell Hardness | ASTM D785 | **78** | R-scale |

The values listed above are typical values for reference purpose only and shall not be construed as specifications.

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## Contacts

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## Health, Safety and Food Contact Regulations

**HYOSUNG Polypropylene R805C** complies with FDA requirements in the code of Federal Regulations in 21 CFR 177. 1520 for food contact and European Commission Regulation (EU) No 10/2011 and its amendment (EU) No 2016 / 1416 with regard to plastic materials and articles intended to come into contact with food.

## Storage and Handling

This product should be stored in dry condition at temperature below 40°C and protected from UV-light. When condensation is visible or can be expected, pre-drying is recommended. (Drying condition: 80~100℃/2~4hours at air circulated condition).

## Disclaimer

All information, including product characteristics, applications and properties are for reference purpose only and shall not be construed as specifications. Before using this product, customers should carefully review the instructions for use of the product to determine whether the product is suitable for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of this product. HYOSUNG VINA CHEMICALS CORPORATION assumes no legal responsibility or liability for the contents of this document. We reserve the right to change the contents of this document without prior notice. This document is copyrighted by HYOSUNG VINA CHEMICALS CORPORATION.

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