

R430CN

Polypropylene Random Terpolymer
For Medical Applications

Product Description

Hyosung Polypropylene R430CN is a polypropylene random terpolymer that features standard heat sealing, good optical properties and excellence processability. This grade is designed for skin layer as sealant material of BOPP film and M-BOPP film, also designed for medical applications like medical port/cap and IV solution bag.

Hyosung Polypropylene R430CN contains no film additives like slip and anti-blocking agents.

Characteristics

Typical Application Sealing layer of BOPP and M-BOPP film / Medical port / Cap / Medical film / IV solution bag.

Features Good optical / Phthalate-Free / USP Class VI / Low Xylene Soluble / Steam Sterilization.

Typical Properties

Characteristics		Method	Value	Unit
Physical				
Melt Index (230°C, 2.16kg)		ASTM D1238	5.5	g/10min
Density		ASTM D792	0.90	g/cm³
Mechanical				
Tensile Strength at Yield		ASTM D638	230	kg/cm²
Flexural Modulus		ASTM D790	7,000	kg/cm²
Notched Izod Impact Strength (23°C)		ASTM D256	7.5	kg-cm/cm
Rockwell Hardness		ASTM D785	80	R-scale
Thermal				
Melting Temperature		HS Method	130	°C
Heat Seal Temperature		HS Method	119	°C
Heat Seal Initiation Temperature		HS Method	105	°C
Additional Properties				
Haze	30um film	ASTM D1003	<2.0	%

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

Contacts

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Health, Safety and Food Contact Regulations

Hyosung Polypropylene R430CN 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°C/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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