

Product Description

Hyosung Polypropylene S805S is a specially designed polypropylene homopolymer that features high flow rate and stiffness. It is suitable for spunbond non-woven applications including shopping bags.

Characteristics

Typical Application Spunbond / Non-woven / Multifilament (fine denier)

Features Good drawability / High flow rate / Controlled Rheology / Excellent stiffness / Phthalate free / Bisphenol free

Typical Properties

Characteristics	Method	Value	Unit
Physical			
Melt Index (230°C, 2.16kg)	ASTM D1238	36.0	g/10min
Density	ASTM D792	0.90	g/cm ³
Mechanical			
Tensile Strength at Yield	ASTM D638	360	kg/cm ²
Flexural Modulus	ASTM D790	16,000	kg/cm ²
Notched Izod Impact Strength (23°C)	ASTM D256	2.5	kg·cm/cm
Rockwell Hardness	ASTM D785	105	R-scale
Thermal			
Vicat Softening point (1kgf)	ASTM D1525	155	°C
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	110	°C

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 S805S 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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