HYOSUNG VINA CHEMICALS

TECHNICAL DATA SHEET

# Topilene® S805S

Polypropylene Homopolymer
For Spunbond Applications

## Product Description

***Topilene*® 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℃, 2.16kg) | ASTM D1238 | **36.0** | g/10min |
| Density | ASTM D792 | **0.90** | g/㎤ |
| **Mechanical** | | | |
| Tensile Strength at Yield | ASTM D638 | **360** | kg/㎠ |
| Flexural Modulus | ASTM D790 | **16,000** | kg/㎠ |
| Notched Izod Impact Strength(23℃) | ASTM D256 | **2.5** | kg·cm/cm |
| Rockwell Hardness | ASTM D785 | **105** | R-scale |
| **Thermal** | | | |
| Vicat Softening point (1kgf) | ASTM D1525 | **155** | ℃ |
| Heat Deflection Temperature (4.6kgf/㎠) | ASTM D648 | **110** | ℃ |

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

## Health, Safety and Food Contact Regulations

***Topilene*® 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.

## Contacts


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## 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. ***Topilene®*** is a registered trademark owned or used by HYOSUNG VINA CHEMICALS CORPORATION.

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