

Product Data Sheet

SECCO S2040



Polypropylene, Homopolymer

Product Description

S2040 is a low ash content, high isotacticity and narrow molecular weight distribution homopolymer polypropylene resin. High flowability and outstanding spinnability make it particularly suitable for producing fiber of light weight, high softness and high tension. **S2040** is mainly used in various functional nonwoven fabric.

Typical Applications

Spunbonded nonwoven fabric (medical and health supplies, agricultural covering materials, liners, packaging materials, protection equipment)

Typical Property Values

Properties	Typical values	Units	Test methods
Physical Properties			
Melt Flow Rate (230°C/2.16 kg)	36.0	g/10min	GB/T 3682
Density	0.90	g/cm ³	GB/T 1033.2
Melting Temperature (DSC)	162	°C	GB/T 19466.3
Mechanical Properties			
Tensile Strength at Yield (50 mm/min)	33	MPa	GB/T 1040.2
Tensile Strength at Break (50 mm/min)	20	MPa	GB/T 1040.2
Tensile Elongation at Break (50 mm/min)	600	%	GB/T 1040.2
Flexural Modulus (2 mm/min)	1300	MPa	GB/T 9341
Charpy Impact Strength, notched (23°C)	2.5	kJ/m ²	GB/T 1043.1
Thermal Properties			
Heat Deflection Temperature (0.45 MPa)	83	°C	GB/T 1634.2
Vicat Softening Point (A ₅₀)	151	°C	GB/T 1633

Notes

* These are typical properties only and should not be construed as specifications

* Recommended processing temperature: 190 ~ 250°C

The information included herein, such as data, recommended application, and product characters, is believed to be reliable on the data compiled. The user is solely responsible for all determinations regarding any use of the product in its special territories, and ensure the disposal practices are in compliance with applicable laws and other governmental regulations. We expressly disclaim liability for whatsoever arising from the use of this information, or application or processing of the product described in this document.

Product Compliance

S2040 complies with GB 4806.6-2016 *National Food Safety Standard-Plastic Resin used in Food-contact*, FDA regulation 21 CFR 177.1520(c) 1.1a and the RoHS Directive 2011/65/EU. Additives those do not comply with national regulations, such as phthalates, are not intentionally used in **S2040**. However, the customer is still responsible for determining whether the fabricated product is in compliance with applicable laws and regulations.

Storage

The storage area for polypropylene resin should be dry, and preferable to normal temperature. The resin must be protected from direct sunlight, and heat resource. SECCO would not give warranty to bad storage conditions which may lead to color change, bad odor and inadequate product performance. It is generally recommended to convert all materials latest within 6 months from the date of delivery.

Safety and Material Handling

SECCO polypropylene resin has a very low degree of toxicity under normal conditions of use. For more detailed information, please contact your SECCO representative or the local suppliers to get the Material Safety Data Sheet (MSDS) for Homopolymer Polypropylene.



For additional technical and sales assistance, please contact

Shanghai SECCO Petrochemical Co., Ltd

Address: 30F, A Building, Fareast International Plaza, No. 319, Xianxia Rd., Changning District, Shanghai 200050, P.R. China

Tel: +86(0)21 5257 4688

Fax: +86(0)21 6209 7070

Website: www.secco.com.cn

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