

Product Data Sheet

SECCO B4902



Polypropylene, Random Copolymer

Product Description

B4902 is a clarified low melt flow rate random copolymer polypropylene resin added with high-quality nucleating agent. This resin offers high melting strength, good impact performance, excellent transparency and high glossiness. B4902 is applicable for production of blow molding, injection, compression molding, thermal forming, etc.

Typical Applications

Blow molding: various blow molding product with small volume

Injection molding

Compression molding

Extrusion sheet

Thermal forming

Typical Property Values

Properties	Typical values	Units	Test methods
Physical Properties			
Melt Flow Rate (230°C/2.16 kg)	2.0	g/10min	GB/T 3682.1
Density	0.90	g/cm ³	GB/T 1033.2
Melting Temperature (DSC)	142	°C	GB/T 19466.3
Mechanical Properties			
Tensile Strength at Yield (50 mm/min)	26	MPa	GB/T 1040.2
Flexural Modulus (2 mm/min)	850	MPa	GB/T 9341
Flexural Strength (2 mm/min)	21	MPa	GB/T 9341
Charpy Impact Strength, notched (23°C)	17	kJ/m ²	GB/T 1043.1
Rockwell Hardness	93	R-Scale	GB/T 3398.2
Optical Properties			
Transmittance (2mm sheet)	84	%	GB/T 2410
Haze (2mm sheet)	14	%	GB/T 2410
Yellow Index	-10	/	ASTM E313
Thermal Properties			
Heat Deflection Temperature (0.45 MPa)	65	°C	GB/T 1634.2

Disclaimer: All information provided in this document, whether it is data, typical applications, product features, etc., is put forward on the basis of research results and is believed to be reliable; However, it is not a guarantee for this product. Users and other users should make their own judgments on whether this product and the contents listed in this document are suitable for its specific use, and be responsible for the risks, results and impacts generated, and ensure that its disposal complies with relevant regulations and other government regulations. Under no circumstances will SECCO be responsible for any consequences arising from the use of the above information or the application and processing of this product.

Notes

- * These are typical properties only and should not be construed as specifications
- * Recommended processing temperature: 180 ~ 210°C
- * The information in this document was published in November 2022. When an updated version is released, the previous version of the same grade is automatically invalid

Product Compliance

B4902 complies with GB 4806.6-2016 *National Food Safety Standard-Plastic Resin used in Food-contact*, FDA regulation 21 CFR 177.1520(c) 3.1a and the RoHS Directive 2011/65/EU. Additives those do not comply with national regulations, such as phthalates, are not intentionally used in **B4902**. 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 Copolymer Polypropylene.

For additional technical and sales assistance, please contact

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