

Product Data Sheet

SUMITOMO POLYETHYLENE EXCELLEN® GMH

CB1001

Easy Processing Polyethylene (EPPE), Foam

Applications For shoe sole and other foam applications.
Characteristics Additives free. High mechanical strength, impact resistance, easy processing, good seal strength; suitable for high speed processing.

Typical Properties

Physical		Value	Unit	Method
Melt Index	190 °C, 2.16 kg	2.0	g/10min	JIS K6922-1 / K7210
Density		0.912	g/cm ³	JIS K7112
Mechanical		Value	Unit	Method
Tensile Strength at Break		24	MPa	JIS K7113
Tensile Elongation at Break		830	%	JIS K7113
Flexural Modulus		120	MPa	ASTM D747-70
Tensile Impact		900	kJ/m ²	ASTM D1822-61T
Shore Hardness	D	48		JIS K7215
Thermal		Value	Unit	Method
Melt Temperature		100	°C	DSC

The values shown are typical values measured on the product and are not to be considered as guaranteed specifications; actual test results may vary.

Manufacturer

CB1001 is manufactured by Sumitomo Chemical Company Ltd (SCC) and packed in SCC identifiers. Sumitomo Chemical Company is an ISO 9001 certified company.

Food Contact Application

Unmodified CB1001 complies with the US FDA Regulation 21 CFR 177.1520 for use in direct contact with food. Please contact your nearest SCA representative for more information.

Restriction of Hazardous Substances

The substances regulated under EU Directive 2011/65/EC and its amendment on RoHS in electrical and electronic equipment, are not used in the manufacturing process of CB1001 and are therefore not expected to be present.

Storage and Handling

CB1001 is supplied in 25 kg paper bags. It is advisable to store in a well ventilated storage facility, protected from rain, direct exposure to sunlight, temperature and dust.

Moisture may accumulate inside the packaging if there is a significant fluctuation in ambient temperature and high relative humidity. If this occurs, customer is strongly advised to dry the resin prior to use. Direct exposure to sunlight and excessive ambient temperature may affect the properties, appearance and odor characteristic of the resin.

Please refer to the Safety Data Sheet (SDS) for information regarding industrial health and safety issues.

Disposal and the Environment

SCA prioritizes environmental management in all our operations in responsibility and respect towards the community and the environment.

Unmodified CB1001 is readily recyclable, both for reuse via reprocessing and for energy reclamation through incineration. If disposed in landfills, our products, which are inert materials, do not pose pollution risks since they do not generate gaseous or liquid emissions.

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