

Product Data Sheet

SUMITOMO POLYETHYLENE EXCELLEN® GMH

CB1001

Easy Processing Polyethylene (EPPE), Foam

Applications

For shoe sole, foam applications.

Characteristics

High mechanical strength, impact resistance, easy processing, seal strength, high speed processing. CB1001 is additive free.

Typical Properties

Physical	Value	Unit	Method	
Melt Index	2.16kg	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 2002/95/EC 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 25kg 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.

