

Biobased itaconate- butadiene rubber (Bio-ItBR) 6600

Product Description

Bio-ItBR6600 is a biobased rubber copolymerized by dibutyl itaconate and butadiene at 6:4 ratio. It has low glass transition temperature, low heat generation and good fatigue resistance.

Technical Data

Item	Unit	Standards	Analysis method
Appearance	/	White or light yellow blocky solid	/
Bio-based carbon content	wt%	24 ± 3	ASTM D6866
Itaconate content	wt%	60 ± 3	T/CSRIA 5001
Volatile content	wt%	≤ 0.5	GB/T 24131.2
Ash content	wt%	≤ 0.5	GB/T 4498.1
Mooney viscosity ML(1+4) 100°C	MU	55 ~ 64	GB/T 1232.1
300% Modulus	MPa	11.0 ~ 16.0	T/CSRIA 5001
Tensile strength	MPa	≥ 13.0	T/CSRIA 5001
Elongation at break	%	≥ 290	T/CSRIA 5001
Curing characteristics	/	Report value	T/CSRIA 5001

Applications

It is used in belt, tires, oil resistant products, damping products, etc.

Package

20kg/package, independent packaging with PE/EVA/ (EVA+PE) composite film.

Safety

This product is a solid polymer with stable performance and is harmless to human, animals, plants and the ecological environment. See MSDS for relevant safety data.

Storage

Dry and ventilated warehouse, avoiding direct sunlight, humidity and pollution; The warranty period is two years.

Legal Statement

For detailed product compliance information, please contact customer service.

This product is not intended for use in food contact applications.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. Given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification, it is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.