



# POLYFUL

## ADVANCED MATERIAL

Hangzhou Polyful Advanced Material Co., Ltd.

杭州聚丰新材料有限公司

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## Company Profile

Hangzhou POLYFUL Advanced Material Co., Ltd. ( “POLYFUL” ) is a high-tech company specializing in the research, development, production, and sales of high-end polymer products.

Established by the founding team of a listed company, POLYFUL has launched in-depth cooperation with the national key laboratory of Zhejiang University.

Aimed at the polymer materials sector, it is focused on the development of high-performance products in 5G communications, new energy vehicles, food and healthcare, and environmental protection and biodegradation. POLYFUL is primarily engaged in high-end modified materials such as modified polyolefins and engineering plastics, as well as special polymers, including biodegradable resin and high-performance electronic chemical materials, with product quality reaching the leading level in China.

## Positioning and Strengths

Positioning: A technology-driven advanced materials company focused on high-end polymers

Strengths: R&D by university teams, support of national base, cost effectiveness, environmentally friendly, customization

## Honors and Qualifications

Since its inception in 2018, POLYFUL has won a range of honors, including China High-tech Enterprise, China’ s National Science and Technology Small and Medium Enterprise, High-tech Research and Development Center (Industrial) of Local Enterprise, and Local Eyas Enterprise.

It has also obtained the certifications of IATF16949 international automotive quality management system and ISO9001 quality management system.

## Experiment&Production Equipment



## Product Certifications



## Enterprise Honors



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## Application



### Automobile industry

Sound-absorbing cotton, oil-absorbing felt, thermal insulation pad



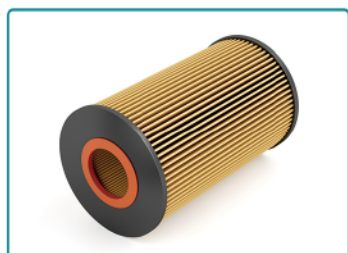
### Medical protection

Medical masks, medical protective clothing



### Daily necessities

Diapers, sanitary napkins



### Other sectors

Air filtration, liquid filtration

# HIGH MELT FLOW RATE INDEX POLYPROPYLENE



## Overview

With polypropylene as the basic raw material, the high melt flow rate index polypropylene adopts a controllable rheological approach to improve the fluidity and molecular weight distribution of the resins. It is the primary raw material for making polypropylene melt-blown non-woven products.

The product is independently developed and produced by our company. Its stable melt quality flow rate and superior spinnability can greatly improve the processing efficiency. The products are suitable for market areas such as automobile, medical, and hygiene that require non-woven fabrics with melt blown molding process.

Features



Low odor



High transparency with no impurities



Melt index with stable performance



Narrow molecular weight distribution



Good processing properties

Qualification



GB/T 30923-2014 Plastic Polypropylene (PP) Melt-blown Special Materials

GB/T 2914-2008 Vinyl Chloride Homopolymer and Copolymer Resin Volatile (Including Water) Determination

Parameters

Performance	Testing standards	Test conditions	Unit	M-450	M-1300	M-1500	M-1800
Melt flow rate	ISO 1133	230°C, 2.16kg	g/10min	450	1300	1500	1800
Melting point	GB/T 19466	10°C/min	°C	164	163	163	163
Molecular weight distribution index	GPC	150°C	/	2.5	2.4	2.4	2.3
Ash content	ISO 3451	850°C, 2h	%	0.01	0.01	0.01	0.01
Volatiles	ISO 1269	105°C	%	0.06	0.06	0.06	0.05

