

OPPANOL® Polyisobutylenes

Get the Broadest PIB Spectrum

Helping Make
Products Better™

 **BASF**

The Chemical Company



Glissopal® and Oppanol® Polyisobutylenes (PIBs)

BASF's Glissopal® and Oppanol® Polyisobutylenes (PIBs) are synthetic hydrocarbons made by polymerizing isobutene. With consistencies ranging from viscous to rubbery, they are categorized by molecular weight:

- ▶ low (trademarked as Glissopal®), and
- ▶ medium to high (trademarked as Oppanol®).

BASF patented Oppanol® PIBs in 1931 and continues to offer the broadest product portfolio designed to support a wide range of applications. With 75 years of experience with PIBs, BASF is able to offer global market and technology leadership and strong customer commitment.

A Broad Portfolio of PIB Applications

Glissopal® PIBs are essential raw materials used in the manufacture of fuel additives, lubricant additives and other products.

Because of their properties and range of applications, BASF's medium molecular weight Oppanol® PIBs are used in a variety of products, including medical devices, chewing gum, automotive components, construction and packaging.

	Oppanol® Grade	Viscosity Average Molecular Weight (g/mole)	Consistency	Staudinger Index, Jo (cm ³ /g)	Stabilized with BHT
Medium Molecular Weight Oppanol	B 10 SFN	40,000	Soft, resinous	27.5–31.2	No
	B 11 SFN	49,000	Soft, resinous	32.5–36.0	No
	B 12 SFN	55,000	Soft, resinous	34.5–39.0	No
	B 13 SFN	65,000	Soft, resinous	39.0–43.0	No
	B 14 SFN	73,000	Soft, resinous	42.5–46.4	No
	B 15 SFN	85,000	Soft, resinous	45.9–51.6	No
High Molecular Weight Oppanol	B 30 SF	200,000	Soft, resinous	76.5–93.5	No
	B 50 SF	400,000	Soft, resinous	113–143	No
	B 80	800,000	Rubbery	178–236	Yes
	B 100		Rubbery	241–294	Yes
	B 150		Rubbery	416–479	Yes
	B 200		Rubbery	551–661	Yes

BASF Offers:

- ▶ A broad portfolio of PIB products designed to support numerous applications across different industries.
- ▶ 75 years of experience and global marketing and technology leadership.
- ▶ A strong commitment to support customers, including global key account management, regional direct sales force and technical service, and a highly flexible global supply chain.

BASF Performance Chemicals – Always One Idea Ahead

As a reliable partner to virtually all industries, our intelligent system solutions and high-value products help customers to be more successful.

BASF offers the broadest PIB product portfolio designed to support a wide range of applications. With consistencies ranging from viscous to rubbery, Oppanol® PIBs can be used in applications for construction, as well as for corrosion protection, cable and wiring, and packaging.

In addition to Oppanol® and Glissopal® PIBs, the product range of the BASF Performance Chemicals for the Automotive and Oil Industry includes engine coolants, brake fluids and other specialized fluids, mineral oil dyes and markers, refinery chemicals, diesel and gasoline additives. Our products are marketed worldwide. We are one of the leading suppliers in these fields.

About BASF

BASF: The Chemical Company.
*We don't make a lot of the products you buy.
We make a lot of the products you buy better.®*

BASF Corporation, headquartered in New Jersey, is the North American affiliate of BASF AG, Ludwigshafen, Germany. BASF is the world's leading chemical company, with a portfolio that ranges from chemicals, plastics, performance products, agricultural products, catalysts and fine chemicals to crude oil and natural gas. As a reliable partner to virtually all industries, BASF's intelligent solutions and high-value products help customers to be more successful. BASF develops new technologies and uses them to open up additional market opportunities. We combine economic success with environmental protection and social responsibility, thus contributing to a better future. Further information on BASF is available on the Internet at www.basf.com.

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