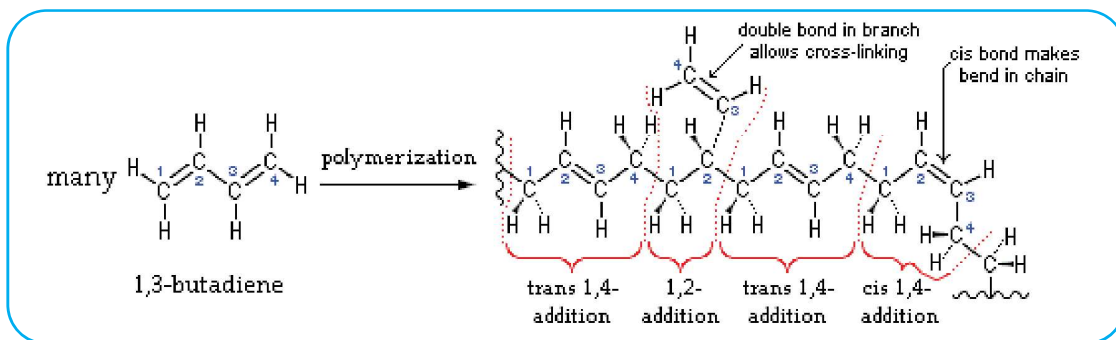




Polybutadiene Rubber (PBR)

Polybutadiene rubber (PBR) is a synthetic rubber. PBR is produced by the polymerization of 1,3-butadiene. PBR has a high resistance to abrasion and is mostly used in the manufacture of tires. About 75% of the production of this material is consumed in the rubber industry. Another 25% is used as an additive to improve the toughness (impact resistance) of plastics such as High-Impact Polystyrene (HIPS) and Acrylonitrile-Butadiene-Styrene (ABS). PBR accounts for about a quarter of the total global consumption of synthetic rubbers. The PBR is produced by the following reaction:



Types of PBR

- High-cis polybutadiene
- Low-cis polybutadiene
- High-vinyl polybutadiene
- High-trans polybutadiene





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Polybutadiene Rubber (PBR)

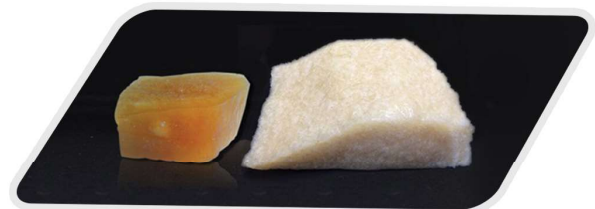


Differences between Low-cis PBR and High-cis PBR

Low-cis polybutadiene is used for producing of high-impact polystyrene, but high-cis is used in tires, shoes, car parts and golf balls. In the low-cis type, the cis percentage should not exceed 35% by weight, but in the high-cis type, it should be more than 95% by weight. The catalyst used determines the type of produced polybutadiene rubber.

Storage and packing of PBR

PBR is supplied in bale weight (35 kg) or in box weight (1050 kg). These packages should be stored in cool, dry warehouses away from heat sources and other chemicals. The storage temperature of these materials should not exceed 30° C. It should be noted that the remnants of this polymer composition should not be discharged into streams and sewage under any circumstances. Rayenehdaran Company is fully prepared to supply the PBR continuously and just in time delivery at a competitive price.



Who we are

Rayeneh Group is an international supplier of chemicals, catalysts, and equipment in the Oil, Gas, Petrochemical, and Mine Industries. Since its establishment in 1999, Rayeneh has continuously strived to reach new markets while offering world class services. As of today, Rayeneh Group operate international offices in our territory with unique access to sources of high-quality chemicals, and is one of major players in the chemicals market. As dictated by our policy, "Serving Our Clients Beyond Their requirements" has always been at the forefront of our operations.

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Rayeneh Group

Supplier of Chemicals & Equipment
International Project Developer

