

Polyisobutene PIB 6

Description:

PIB 6 is obtained by polymerization of an isobutene rich stream with specific catalysts. Product is composed predominantly of aliphatic mono-olefins. The product is clear, bright and free from sediments or suspended matter.

PIB 6 is a non-toxic polymer and has NSF certification. It can be used in lubricants and synthetic oils formulation, including for food grade and pharmaceutical grade. PIB 6 is also applied in cosmetics as an emollient agent and as a plasticizer to thermoplastic resins like PE, PP, PVC and others.



Nonfood Compounds
H1

Applications:

Lubricants, Cosmetics, Plasticizer

Typical Values

Feature	Method	Units	Values
Viscosity (@ 100°C)	ASTM D 445	cSt	6
Viscosity (@ 37.8°C)	ASTM D 445	cSt	30
Viscosity Index	ASTM D 2270	-	136
Water	ASTM E 203	ppm	80
Flash Point	ASTM D 92	°C	125
Color	ASTM D 1209	Pt-Co	70
Molecular Weight (Mn)	Internal - GPC	Daltons	365
Polydispersity Index (Mw/Mn)	Internal - GPC	-	1.66
Pour Point	ASTM D 97	°C	-54
Density (20/4°C)	ASTM D 4052	-	0.84
Refractive Index	ASTM D 1218	nD	1.47
Chlorine	ASTM D 5808	ppm	180

Packaging and storage:

PIB is supplied in 170 kg metallic drums or in isotanks. Polybutene polymer must be stored at temperatures under 50°C, and protected from direct sunlight, moisture and in order to avoid direct contact with the soil.

Shelf life:

3 (three) years from production, since the recommended storage conditions are respected.

Legal Statement

- For safety, handling, personal protection, first aid and waste disposal information, refer to the SDS - Safety Data Sheet.
- For any doubt concerning material handling or application, please contact the Technical Services area.
- The properties and values contained in the quality certificate must be considered as a guarantee of the product. For typical values, when provided, the information is given in good faith and obtained in our laboratories, and should not be considered as absolute or as a guarantee.
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