

## Polyisobutene PIB 10

### Description:

PIB 10 is obtained by polymerization of an isobutene rich stream with specific catalysts. Product is composed predominantly of aliphatic mono-olefins.

PIB 10 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 10 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	25
Viscosity (@ 37.8°C)	ASTM D 445	cSt	500
Viscosity Index	ASTM D 2270	-	75
Water	ASTM E 203	ppm	70
Flash Point	ASTM D 92	°C	130
Color	ASTM D 1209	Pt/Co	60
Molecular Weight (Mn)	Internal - GPC	Daltons	600
Polydispersity Index (Mw/Mn)	Internal - GPC	-	2.02
Pour Point	ASTM D 97	°C	-25
Density (20/4°C)	ASTM D 4052	-	0.87
Refractive Index	ASTM D 1218	nD	1.48
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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