

TECHNICAL BROCHURE
N° 580300

CHEMICALS

SPECIALTIES

POLYBUT 5E

Polybutenes are obtained by selective polymerisation of the isobutylene contained in a butene-butane stream with an acidic catalyst (aluminium chloride).

These polymers are 95-100% monoolefins and they have important properties such as permanent plasticity; high viscous index; stability to light, heat and most chemicals; high hydrophobicity and non-permeability to gases and vapour; low evaporation loss at ordinary temperatures and complete volatilisation under high temperatures, leaving no residues; good electrical properties.

They are characterised by their stickiness, which is enhanced on increasing their molecular weight. The different polybut grades go (in viscosity range) from light oils to highly viscous liquids.

Remember to handle it properly during your download, so as not to alter it.

APPLICATIONS

They are used in a variety of applications such as lubricants in polyethylene compressors, hydraulic oils, shear oils, adhesives and sealants.

SPECIFICATIONS

Analysis	Min.	Max.	Method
Molecular weight (g/mol), Mn	680	740	INS_-0011912
Viscosity at 100 °C (mm ² /s)	70	90	ASTM D445
Density at 15/15 (°C)	0.870	0.890	ASTM D1298
Flash point PM (°C)	121		ASTM D93 B
Colour (Pt/Co scale)	-	70	ASTM D1209
Acid Number (mg KOH/g)	-	0.02	ASTM D974
Water (mg/kg)	-	70	ASTM D6304
Iron (mg/kg)	-	4	UOP 407
Aluminium (mg/kg)	-	5	UOP 407

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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Sodium (mg/kg)	-	1	UOP 407
Chlorides (mg/kg)	-	200	INS_-0011393
Appearance	Bright, clear liquid, free from foreign matter		Visual

NOTE: product without antistatic additives.

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