

Polybol

KEMAT and PIBs

PIB is core business for KEMAT; its portfolio offers the widest range of PIBs available in the market.

KEMAT provides a broad product series of low molecular weight conventional polybutenes, spanning molecular weights from 280 up to 6.000 with viscosities ranging from 2 up to 40.000 centistokes: **Polybut**.

KEMAT equally offers a line of low molecular weight high reactive polyisobutenes with molecular weights ranging from 1.000 up to 2.300 g/mol responding to increasing technical requirements in the field of lubricants and related markets: **Polybut HR**.

Completing the full molecular weight spectrum of PIBs, the KEMAT portfolio includes medium and high molecular weight polyisobutenes with molecular weights from 30.000 up to 3.000.000 g/mol: **Polybol**.

POLYBOL™ *Low molecular weight conventional polybutenes*

Typical Properties

Polybol™	Molecular Weight			Kinematic Viscosity @ 200°C cSt	Staudinger Index cm³/g	Industrial Grade	Food Grade
	Series	Mv	Mw				
3	Medium	30.000	49.000	6.500		✓	
10	Medium	40.000	56.000	16.500	29	✓	✓
11	Medium	50.000		30.500	33	✓	✓
X12	Medium	54.000			37	✓	✓
12	Medium	60.000	75.000	50.500		✓	✓
23	Medium	65.000			41	✓	✓
24	Medium	75.000			44	✓	✓
25	Medium	85.000	110.000		49	✓	✓
500	High	425.000	565.000		140	✓	✓
800	High	800.000	1.050.000		210	✓	
1000	High	1.110.000	1.550.000		270	✓	
1500	High	2.600.000	3.050.000		450	✓	
2500	High	3.000.000			550	✓	