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OPPANOL® PIB by BASF

More than just polyisobutene

Your Reliable Partner

Experienced • Global • Committed

OPPANOL® B	10 SFN	11 SFN	12 SFN	13 SFN	14 SFN	15 SFN
	10 N		12 N			15 N
Stabilizer [ppm] (average BHT concentration)	no	no	no	no	no	no
	500		500			500
Specification						
Staudinger Index Jo* [cm ³ /g]	27.5–31.2	30.7–36.0	34.5–39.0	39.0–43.0	42.5–46.4	45.9–51.6
Typical characteristics						
Average molecular weight M _v (viscosity average)	40,000	47,000	55,000	65,000	73,000	85,000
Average molecular weight M _w (weight average) Expressed in equivalents of PS	53,000		70,000			108,000
Average molecular weight distribution M _w /M _n	3.2		3.2			3.2
Volatiles, 150 °C, 4 h, 150 mbar [%]	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Fluorine [ppm]	< 5					
Chlorine [ppm]	< 5					
Ash content [ppm]	< 100					
Typical properties						
Appearance	transparent to slightly turbid					
Color	colorless to slightly yellow					
Glass transition temperature [°C]	-64					
Specific heat [kJ/(kg*K)]	2.0					
Heat conductivity [W/(m*K)]	0.19					
Relative Permittivity (100 Hz, 1 mm, RT)	IEC 60250	2.7				
Specific resistance [Ωcm]	IEC 60093	10 ¹⁶				
Shear viscosity	Details upon request					
Packaging	20 kg box, 45.4 kg drum					
Shelf life**	box: 2 years from date of production drum: 3 years from date of production					

OPPANOL® N	50 SF			
	50	80	100	150
Stabilizer [ppm] (average BHT concentration)	no			
	500	500	500	500
Specification				
Staudinger Index Jo* [cm ³ /g]	128–150	178–236	241–294	416–479
Typical characteristics				
Average molecular weight M _v (viscosity average)	425,000	800,000	1,110,000	2,600,000
Average molecular weight M _w (weight average) Expressed in equivalents of PS	565,000	1,050,000	1,550,000	3,050,000
Average molecular weight distribution M _w /M _n	2.4	2.4	2.9	2.9
Volatiles, 150 °C, 4 h, 150 mbar [%]	< 0.3	< 0.3	< 0.3	< 0.3
Fluorine [ppm]	< 2			
Chlorine [ppm]	< 90			
Ash content [ppm]	< 200			
Typical properties				
Appearance	transparent to turbid			
Color	white to pale amber			
Glass transition temperature [°C]	-64			
Specific heat [kJ/(kg*K)]	2.0			
Heat conductivity [W/(m*K)]	0.19			
Relative Permittivity (100 Hz, 1 mm, RT)	IEC 60250	2.7		
Specific resistance [Ωcm]	IEC 60093	10 ¹⁶		
Shear viscosity	Details upon request			
Packaging	20 kg bag: N 50 easy peel; N 80-150 easy peel/dispersible			
Shelf life**	3 years from date of production			

* The Staudinger Index Jo represents the viscosity of OPPANOL® solutions in Isooctane at 20 °C

** Dry storing conditions, ambient temperatures, no direct sunlight