

TECHNICAL DATA SHEET

SPECIALTY POLYISOBUTYLENES – HIGH M.W. – MM SERIES

HIGH MOLECULAR WEIGHT POLYISOBUTYLENE POLYMERS HOMOPOLYMERS

TYPICAL PROPERTIES	PIB 85 MM	PIB 100 MM	PIB 155 MM
Appearance	Rubber-like	Rubber-like	Rubber-like
Staudinger Molecular Weight x 1000	70 - 90	90 - 100	140 - 170
Viscosity of Solution (Isoctane 20 °C) Concentration (g/cc)	0.002	0.002	0.001
Uncorrected passing time Ubbelohde capillare # 1 (sec)	102 - 123	113 - 137	109 - 122
Staudinger Index, (cc/g)	150 - 260	260 - 325	380 - 510
Ash content, % Max	0.04	0.04	0.04
Volatile matter, 105 °C (%) Max	0.5	0.5	0.5
Average Molecular Weight x 1000 (Mn)	134 - 241	192 - 305	361 - 493
Average Viscosity M.W. x 1000 (Mv)	476 - 1110	900 - 1564	1989 - 3128

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● ACETYLENE BLACK ● ALKYLATES ● BASE OILS (GROUP II AND GROUP III) ● CABLE FLOOD, FILL AND GELS ● DIELECTRIC FLUIDS ● PERFORMANCE ADDITIVES
● POLYALPHAOLEFINS ● POLYBUTENES (STANDARD GRADES) ● REFRIGERATION FLUIDS ● SPECIALTY POLYISOBUTYLENE ● SULFONATES