

POLYISOBUTYLENE

General Sales Specification

Property	Method	Grades:	175	1105	1160	1285	1350
Kinematic Viscosity, cSt	ASTM D445	100°C	86	220	647	3121	4090
		70°C	287	840	2801	13172	17481
		40°C	1721	5600	19809	80106	107277
		20°C	7582	21200	111436	346926	465790
Flash Point °C	ASTM D92	COC	>140	>185	>210	>210	>210
Specific Gravity @ 15.6 °C	ASTM D4052		0.89	0.90	0.91	0.92	0.92
Color, APHA	ASTM D1209		<70	<50	<50	<50	<50
Haze, photometric	ASTM D6181		<4	<4	<4	<4	<4
	Supplemental	Data - Non	ninal ¹				
Molecular Weight, Mn	Proprietary		750	1026	1555	2925	3365
Flash Point °C	ASTM D93	PMCC	145	155	165	200	209
Water, ppm	ASTM D1533		25	25	25	25	25
Chlorine, ppm	ASTM D4327		<1	<1	<1	<1	<
Sulfur, ppm	ASTM D2622		<1	<1	<1	<1	<1
Aromatics,ppm	HPLC		<1	<1	<1	<1	<1
Viscosity Index	ASTM D2270		118	144	187	294	307
Refractive Index	ASTM D1218		1.4922	1.4971	1.5029	1.5065	1.5054
Pour Point °C	ASTM D97		-18	-6	3	12	21
Dielectric Breakdown Voltage, KV	ASTM D877		50	50	50	50	50
Power Factor @ 100°C, (x10 ⁻⁶)	ASTM D924		80	80	80	80	80
Dissipation Factor @ 100°C, (x10 ⁻⁶)	ASTM BS5737		80	80	80	80	80
Acid Number	ASTM D974		<0.1	<0.1	<0.1	<0.1	<0.1
Saponification Number, mg KOH/g	ASTM D94		<1	<1	<1	<1	<
Bromine Number, g Br ₂ /100g	ASTM 1159		20.6	15.7	10.0	5.9	4.8 (2
Evaporation Loss, 10 hrs@99°C, wt%	ASTM D972		1.80	0.53	0.24	0.10	<0.10

^{1 -} The property data listed herein is subject to change without notice. The nominal data are based upon randomly selected samples of product and are believed to represent average values. However, TPC Group does not warrant that its products comply with the non-specification data.

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^{2 -} Calculated