

DURASYN LOW VISCOSITY POLYALPHAOLEFIN (PAO) TYPICAL PROPERTIES¹

Durasyn PAO	162	164	166	168	170
Color (ASTM D1500)	<0.5	<0.5	<0.5	<0.5	<0.5
Kinematic Viscosity, mm ² /s, 100°C	1.9	3.9	5.9	7.8	9.6
Kinematic Viscosity, mm ² /s, 40°C	5.5	17.2	31.0	47.5	62.9
Kinematic Viscosity, mm ² /s, -40°C	310	2,626	8,100	19,660	37,620
Viscosity Index	122	124	135	136	137
Pour Point, °C	<-55	<-65	<-60	<-50	<-45
Flash Point, °C	>145	>204	>225	>245	>250
Noack Volatility, Weight Loss 250°C	99	<14	<9	<4	<3.5
Specific Gravity (60/60°F)	0.801	0.818	0.827	0.832	0.836
Total Acid Number	<0.01	<0.01	<0.01	<0.01	<0.01
Bromine Number	<1.0	<0.4	<0.4	<0.4	<1.0

Durasyn PAO	145	146	147	148	156
Color (ASTM D1500)	<0.5	<0.5	<0.5	<0.5	<0.5
Kinematic Viscosity, mm ² /s, 100°C	5.2	5.9	7.1	7.8	6.1
Kinematic Viscosity, mm ² /s, 40°C	25.3	30.4	38.8	44.1	32.0
Kinematic Viscosity, mm ² /s, -40°C	4,967	7,018	11,649	15,259	---
Viscosity Index	143	146	145	146	145
Pour Point, °C	<-45	<-45	<-43	<-39	<-36
Flash Point, °C	>225	>225	>225	>225	>220
Noack Volatility, Weight Loss 250°C	4.9	4.9	3.2	2.9	7.0
Specific Gravity (60/60°F)	0.820	0.827	0.830	0.833	0.828
Total Acid Number	<0.01	<0.01	<0.01	<0.01	<0.01
Bromine Number	<0.4	<0.4	<0.4	<0.4	<0.4

For user reference, 1mm²/s = 1 cSt

¹The physical properties of INEOS polyalphaolefin materials are summarized in the table above. The values quoted were obtained from samples of production materials and are provided for guidance only. These are not intended to be specification properties.

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