

**BASE POLYALFOLEFINE OILS (PAO)  
(TU 0253-004-5449843-2004)**

MAIN QUALITY SPECIFICATIONS							
	ASTM TEST	PAO-2 Typical Value	PAO-4 Typical Value	PAO-5 Typical Value	PAO-6 Typical Value	PAO-7 Typical Value	PAO-8 Typical Value
<b>Kinematic Viscosity, mm<sup>2</sup>/sec, within limits:</b> • at 100 °C • at 40 °C	GOST 33 (ASTM D 445)	1.7-2.0 max 6.0	3.7-4.3 19.0-22.0	4.8-5.2 max 28.0	5.7-6.1 34.0-39.0	6.8-7.2 max 40	7.8-8.2 max 52.5
<b>Viscosity Index, min.</b>	GOST 25371 (ASTM D 2270)	n/a	115	120	120	120	120
<b>Density at 20 °C, kg/m<sup>3</sup>, within limits</b>	GOST 3900 (ASTM D 1298)	780-815	818-825	820-830	825-835	825-835	830-840
<b>Pour Point, °C, max.</b>	GOST 20287 (ASTM D 97)	-60 °C	-65 °C	-60 °C	-60 °C	-60 °C	-55 °C
<b>Flash Point in Open Cup, °C, max.</b>	GOST 4333 (ASTM D 92)	150	200	220	220	230	240
<b>Total Acid Number, mg KOH/g of oil</b>	GOST 5985 (ASTM D 974)	n/a	0.01	0.01	0.01	0.01	0.01
<b>Colour on Colorimeter CNT, CNT unit</b>	GOST 20284 (ASTM D 1500)	0.5	0.5	0.5	0.5	0.5	0/5
<b>Mechanical Impurities Content</b>	GOST 6370	n/a	n/a	n/a	n/a	n/a	n/a
<b>Water Content</b>	GOST 2477 (ASTM D 95)	n/a	n/a	n/a	n/a	n/a	n/a
<b>NOACK Evaporation Wt%, max.</b>	DIN 51581	n/a	15	13	7	7	5
<b>Bromine Number, 1g Br<sub>2</sub>/100 g, max.</b>	GOST 8997	0.2	0.2	0.2	0.4	0.4	0.4

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	ASTM TEST	PAO-9 Typical Value	PAO-10 Typical Value	PAO-11 Typical Value	PAO-12 Typical Value	PAO-13 Typical Value
<b>Kinematic Viscosity, mm<sup>2</sup>/sec, within limits:</b> • at 100 °C • at 40 °C	GOST 33 (ASTM D 445)	8.8-9.2 max 57.0	9.8-10.2 max 71.0	10.8-11.2 max 82.0	11.5-12.5 max 95.0	12.5-14.0 max 99.0
<b>Viscosity Index, min.</b>	GOST 25371 (ASTM D 2270)	120	120	120	120	120
<b>Density at 20 °C, kg/m<sup>3</sup>, within limits</b>	GOST 3900 (ASTM D 1298)	830-840	830-840	835-845	835-845	838-848
<b>Pour Point, °C, max.</b>	GOST 20287 (ASTM D 97)	-55°C	-50°C	-50°C	-50°C	-45°C
<b>Flash Point in Open Cup, °C, max.</b>	GOST 4333 (ASTM D 92)	250	250	250	250	270
<b>Total Acid Number, mg KOH/g of oil</b>	GOST 5985 (ASTM D 974)	0.01	0.01	0.01	0.01	0.01
<b>Colour on Colorimeter CNT, CNT unit</b>	GOST 20284 (ASTM D 1500)	0.5	0.5	0.5	0.5	0.5
<b>Mechanical Impurities Content</b>	GOST 6370	n/a	n/a	n/a	n/a	n/a
<b>Water Content</b>	GOST 2477 (ASTM D 95)	n/a	n/a	n/a	n/a	n/a
<b>NOACK Evaporation Wt%, max.</b>	DIN 51581	5	4	4	4	3
<b>Bromine Number, 1g Br<sub>2</sub>/100 g, max.</b>	GOST 8997	0.5	0.5	0.5	0.5	0.5