



Base oils Rosneft Basic Grade – used as a base component of oils for various purposes (automotive, industrial etc.). They are produced by selective dewaxing and hydrogenation purification technologies.

Base oils Rosneft Basic Grade are characterized by an advanced degree of purification, improved thermo-oxidative and environmental characteristics, as well as good compatibility with other groups of base oils with excellent additivity to additives

Typical physical and chemical properties

Parameter	Method	Values	
		BG-450N	BG-1200N
Kinematic viscosity at 100 °C, mm ² /s	GOST 33 ASTM D445	10,5-11,5	19,0-23,0
Viscosity index, min.	GOST 25371 ASTM D2270	90	88
Coking ability, %, max.	GOST 19932 ASTM D189 ASTM D4530	0,3	0,6
Total acid number, mg KOH/g, max.	GOST 5985	0,02	0,05
Ash content, %, max.	GOST 1461 ASTM D482	0,005	
NOACK volatility, %, max.	ASTM D51581 ASTM D5800	Not standardized. Definition required	
Sulphur content, %, max.	GOST 1437 ASTM D4294	0,4	0,5
Mechanical impurities content, % mass.	GOST 6370 ASTM D2273	Absence	
Pour point, °C 01.09 till 01.04 01.04 till 01.09	ASTM D97 GOST 20287 procedure B	-15 -10	
Flash point, COC, °C, min.	GOST 4333 ASTM D92	220	240
Water content, %, max.	GOST 2477 ASTM D95	Traces	
Color CNT, units, max.	GOST 20284 ASTM D1500	3,5	4,5
Density at 20 °C, kg/m ³ at 15 °C, kg/m ³	GOST P51069 GOST 3900 ASTM D1298 ASTM D4052	900 903	Not standardized. Definition required
Selective solvents content	GOST 1057	Absence	
Auto-ignition temperature, °C, min.	GOST 12.1.044	165	
Polycyclic aromatic hydrocarbon content, % mass., max.	IP 346	3	-