

Brake Fluid DOT-3 class

No	Characteristics	Norm
1	Appearance and odor	Homogeneous transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
2	Kinematic viscosity, mm²/s	
	- at - 20±1 °C, max - at +100±5 °C, min	<u>2160 (depending on the raw material)</u> 1.5
3	Low temperature properties/	
	a) condition after exposure time at -(40±2) °C within (144±4) hrs	
	appearance	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
	bubble flow time, s, max	10
	OR b) condition after exposure time at -(50±2) °C within (6.0±0.5) hrs	
	appearance	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
	bubble flow time, s, max	35
4	Boiling point at 101.3 kPa, °C, min	Min. 205
5	Wet Boiling point °C, min	128
6	Stability at high temperatures, °C, max	3
7	Effect on rubber:	
	a) rubber volume change	
	- type 7-2464 /at (70±2), °C, %, max	10
	- type 51-1524 at (125±2), °C, %, max	10
	b) rubber appearance change	No tackiness and flaking
8	pH index	7.0-11.5
9	c) brake fluid state	Absence of any blobs or crystals on the strips and vessel walls. Darkening is permissible
	d) pH index after test	7.0-11.5
10	Compatibility with water	
	a) at (40±1) °C within (24±2) hrs	
	appearance	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
	bubble flow time, s, max	10
11	Mechanical impurities	None

Brake Fluid DOT-4 class

№	Characteristics	Norm
1	Appearance and odor	Homogeneous transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
2	Kinematic viscosity, mm²/s	
3	- at - 20±1 °C, max - - at +100±5 °C, min	<u>2160 (depending on the raw material)</u> 1.5
	- Low temperature properties	
	a) condition after exposure time at -(40±2) °C within (144±4) hrs	
	appearance	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
4	bubble flow time, s, max OR: b) condition after exposure time at -(50±2) °C within (6.0±0.5) hrs	10
	- appearance	Transparent liquid from colorless to light-brown without sediment, a slight opalescence is permissible
	- bubble flow time, s, max	35
	Boiling point at 101.3 kPa, °C, min	Min. 230
5	Wet Boiling point °C, min	128
6	Stability at high temperatures, °C, max	3
	Effect on rubber	
7	a) rubber volume change	
8	- type 7-2464 at (70±2), °C, %, max	10
	- type 51-1524 at (125±2), °C, %, max	10
	b) rubber appearance change	No tackiness and
	- pH index	7.0-11.5
9	c) brake fluid state	Absence of any blobs or crystals on the strips and vessel walls. Darkening is permissible