DOT3 Synthetic Brake Fluid

Advantages

◎ Boric acid ester brake fluid with high boiling point of dry/wet equilibrium reflux, outstanding high/low temperature property
◎ Excellent anti-rust, anti-corrosion, anti-oxidation and compatibility with rubber, ensuring safe and stable braking actions

Performance specification

The product meets the following specifications:
◎ FMVSS No.116 DOT3
◎ GB 12981-2003 HZY3

Applications

◎ Suitable for brake system of various passenger cars and heavy duty trucks with hydraulic brake, and clutch system of engineering machinery, meeting application requirements of vehicles under conditions of torrid, cold or freezing weathers, or in mountain areas.

Typical properties

Items				Specifications	Typical properties
Equilibrium reflux boiling point (ERBP), ℃				≥205	223
Wet equilibrium reflux boiling point (WERBP), ℃				≥140	155
Kinematic viscosity (−40℃), mm^2/s				≤1500	1250
Kinematic viscosity (100℃), mm^2/s				≥1.5	2.040
pH				7.0~11.5	9.3
Metal corrosivity (100℃,120h) Mass variation, mg/cm^2			Tin	±0.2	0.00
			Steel	±0.2	0.00
			Aluminium	±0.1	0.00
			Cast iron	±0.2	0.00
			Red copper	±0.4	0.15
			Brass	±0.4	0.08
			Zinc	±0.4	0.04
Evaporation property (100℃, 168h)			Evaporation loss, %	≤80	76
			Residuum pour point, ℃	≤−5	<−5
Rubber compatibility (70h)	SBR cup	70℃	Root cylinder increment, mm	0~10	0.54
			Hardness variation, IRHD	0.15−1.4	5
		120℃	Root cylinder increment, mm	0~15	0.75
			Hardness variation, IRHD	0.15~1.4	7
	EPDM cup or test piece	70℃	Volume change, %	1~10	2.00
			Hardness variation, IRHD	0~10	2
		120℃	Volume change, %	1~10	3.50
			Hardness variation, IRHD	0~15	2

Precautions in application

◎ Avoiding splash on surface of painted part
◎ With hygroscopicity, requiring airproof storage after unsealing
◎ Avoiding pollution from dirt, mineral oil, fuel and water, otherwise causing malfunction brake
◎ With toxic materials such as diol, polyglycol ether, avoiding eating by accident, keeping out of the reach of children