

BARREL PROCESS OIL B SERIES

(Aromatic hydrocarbon synthetic oil)

Barrel Process Oil B series are excellent as resin, synthetic rubber plasticizer and paint, compounding oil such as ink and heat resistant reaction solvent used in chemical reaction process. Barrel Process Oil B series are the synthetic process oil which refined highly the high boiling point aromatic hydrocarbon.

1. Features

(1) Compatibility

For affinity (compatibility) for resin and rubber is good, giving plasticity in small amounts. Also, because of its high boiling point, it is difficult to evaporate the liquid during molding and after molding.

(2) Heat-resistance

It has high boiling point and excellent thermal stability, so it can be used as a reaction solvent in the chemical reaction process.

(3) Cold-resistance

Because it has low pour point, it is suitable as a plasticizer requiring low temperature properties.

(4) Other

Some of Barrel Process Oil B series are excellent in electrical properties and can be used as electrical insulation oil and plasticizer for electric wire.

2. Typical properties

Property		B-01	B-03	B-04AB	B-05	B-15AB	B-27	B-27T	B-28AN
Density 15°C	g/cm ³	0.863	1.00	0.862	0.989	0.870	0.871	0.871	0.910
Color(ASTM)		L0.5	L0.5	L0.5	L0.5	L0.5	L2.0	L1.0	L0.5
Flash Point (COC)	°C	51(TAG)	134	140	150	182	210	210	242
Kinematic Viscosity mm ² /s	40°C	0.82	2.6	4.4	5.2	14.3	27	27	28
	100°C	0.49	1.1	1.5	1.5	3.0	4.6	4.6	4.6
Pour Point	°C	<-70	<-60	-70	-50	<-60	<-50	<-50	<-30
Acid Number	mgKOH/g	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Boiling Point	°C	176	291	294	302	352	385	385	430
Aniline Point	°C	---	---	---	---	52	68	68	29
Mixed Aniline Point	°C	17.6	17.0	40.8	15.0	---	---	---	---
Solubility Parameter		8.4	9.3	7.9	8.8	8.1	7.7	7.7	7.8

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