



# Hiflex<sup>®</sup>-M

## Rubber Plasticizers

Product	Item SPECIFICATIONS							Item SPECIFICATIONS		
	Appearance	Acid Value	Color APHA	Specific Gravity 25°C	Solubility* parameter(δ)	Moisture Content(%)	Viscosity (cPs)at 25°C	Flash Point (C.O.C, °C)	Freezing Point (°C)	Characteristics
M-0801	L. Yellow Liquid	1.0 max	120	0.996±0.01	8.9	0.5 max	8	184	-53	Cold Resistance
M-0803	Yellow Liquid	2.0 max	5(G)	0.929±0.01	8.6	0.5 max	19	240	-19	Cold Resistance
M-0806N	L. Yellow Liquid	2.0 max	100	1.014±0.01	9.2	0.5 max	20	215	-47	Cold Resistance
M-0809	L. Yellow Liquid	1.0 max	120	1.102±0.01	9.7	0.5 max	43	-	-41	Cold, Heat, Oil Resistance
M-0813	L. Yellow Liquid	1.0 max	125	1.005±0.01	8.9	0.5 max	30	221	-53	Cold, Heat Resistance
M-0816	L. Yellow Liquid	1.0 max	125	1.042±0.01	9.2	0.5 max	80	252	-8	Heat Resistance
M-0818	L. Yellow Liquid	1.0 max	120	0.970 ±0.01 (at 20°C)	-	0.5 max	100(at 29°C)	280	-30▼	Heat Resistance

## Applying Rubber and Applications

Product	Item SPECIFICATIONS			Applying Rubber Compatibility					CR	Hydrin	CSM	CPE
	Cold Resistance	Heat Resistance	Oil Extraotion Resistance	NBR(L)	NBR(M)	NBR(H)	ACM	HNBR(M,H)				
M-0801	◎	×	×	○	○	○	○	○	○	○	○	○
M-0803	◎	○	△ - ×	○	△	×	×	×	○	△	△	△
M-0806N	◎ - ○	○	△ - ×	○	○	○	○	○	○	○	○	○
M-0809	○	◎	○	×	△	○	○	×	×	○	×	×
M-0813	○	◎ - ○	△ - ×	○	○	○	○	○	○	○	○	○
M-0816	○	◎	△	×	○	○	○	×	△	○	△	△

$$* \delta = \sqrt{\frac{\Delta E}{V}}$$

( δ : Solubility parameter, ΔE : Energy of vaporization, V : molar volume )

### Applications

Car engine body parts  
Car hose, seal, panel and packing  
Diaphragm belt products

Additional information

NBR - Acrylonitrile Butadiene Rubber HNBR - Hydrogenated NBR ACM - Acryl Rubber CR - Polychloroprene Rubber  
Hydrin - Epichlorohydrin CSM - Chlorosulfonated Rubber CPE - Chlorinated Polyethylene Rubber

◎ - Excellent ○ - Good △ - Normal × - Not applicable  
L - Low, M - Medium, H - High