

# APPENDIX

HIFLEX SERIES

# Hiflex® Series

## Hiflex-M

Item Specifications								Item Typical Characteristics		
Product	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	0.5max	8	184	-53	Cold Resistance
M-0803	Yellow Liquid	2.0 max	5(G)	0.929±0.01	8.6	0.5max	19	240	-19	Cold Resistance
M-0806N	L.Yellow Liquid	2.0 max	100	1.014±0.01	9.2	0.5max	20	215	-47	Cold Resistance
M-0809	L.Yellow Liquid	1.0 max	120	1.102±0.01	9.7	0.5max	43	-	-41	Cold, Heat, Oil Resistance
M-0813	L.Yellow Liquid	1.0 max	125	1.005±0.01	8.9	0.5max	30	221	-53	Cold, Heat Resistance
M-0816	L.Yellow Liquid	1.0 max	125	1.042±0.01	7.2	0.5max	80	252	-8	Heat Resistance
M-0818	L.Yellow Liquid	1.0 max	120	0.970±0.01(at 20°C)	-	0.5max	100(at29°C)	280	-30▼	Heat Resistance

## Applying Rubber and Applications

Item Specifications				Applying Rubber Compotibility					Item Typical Characteristics			
Product	Cold Resistance	Heat Resistance	Oil Extraotn Resistance	Applying Rubber Compotibility					CR	Hydring	CSM	CPE
				NBR(L)	NBR(M)	NBR(H)	ACM	HNBR(M,H)				
M-0801	⊙	X	X	○	○	○	○	○	○	○	○	○
M-0803	⊙	○	Δ-X	○	Δ	X	X	X	○	Δ	Δ	Δ
M-0806N	⊙-○	○	Δ-X	○	○	○	○	○	○	○	○	○
M-0809	○	⊙	○	X	Δ	○	○	X	X	○	X	X
M-0813	○	⊙-○	Δ-X	○	○	○	○	○	○	○	○	○
M-0816	○	⊙	Δ	X	○	○	○	X	Δ	○	Δ	Δ

### Additional Information

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

⊙ - EXCELLENT  
 ○ - GOOD  
 Δ - NORMAL  
 X - Not applicable  
 L - Low  
 M - Medium  
 H - High

## Hiflex-NP

Item Specifications						Item Typical Characteristics				
Product	Appearance	Acid Value	Color (APHA)	Specific Gravity at 25°C	Hydroxyl Number	Moisture Content(%)	Viscosity (cPs)at 25°C	Flash Point (C.O.C, °C)	Pour Point (°C)	
DPGDB	L.Yellow Liquid	1.0 max	100	1.13±0.01	25±5	0.5max	120	199	-19	
DPE50	L.Yellow Liquid	1.0 max	100	1.15±0.01	20max	0.5max	100	200	-21	
DEGDB	L.Yellow Liquid	1.0 max	100	1.18±0.01	20max	0.5max	75	199	-24	

### Additional Information

1) PVA : Poly Vinyl Acetate  
 2) PVC : Poly Vinyl Chloride