



株式会社 横浜高分子研究所
+81-45-594-7171

monicas[®]
SN-40



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Yokohama Kobunshi Kenkyujo Co.,Ltd.

monicas[®] SN-40 has a Fluoroelastomer Paint for screen coating, developed for metal gasket coating. Hardener **monicas[®] SN-40A** has blended ingredients to assist of adhesion, in case of no use primer, it can get good adhesion.
monicas[®] SN-40 is suitable for the requirement of paint from car manufactures, and has actual results of many vehicle types.

Features

Grade name	monicas[®] SN-40	monicas[®] SN-40A
Appearance	Black	Light Red ~ Light Yellow
Specific gravity	1.970±0.050(by Solid)	0.990±0.050
Solid content	37±1%	45±5%
Viscosity	22.0±5 Pa·s	-
Flash point	Isophorone	Isophorone /Methanol
Dilution	Ketones	
Packing & Units	18kg round can	0.9kg square can



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§ Bonding property

- Test condition
 - Metal SUS301H
 - Remove soils such as greases and oils by Trichlene
 - Mixing ratio of Paint/Hardener **SN-40/SN-40A**=100/8.3(by wt)
 - Coating method Screen printing
 - Thickness of coating film 20μm
 - Drying condition 1 min. at 80°C
 - Curing condition 90 min. at 260°C
 - Test method Crosscut method
- Test results
 - Crosscut method no adhesion failure

§ Aging test results

- Test condition
 - Condition of making test piece Same as above
 - Aging condition
 - Heat aging : 500 hours at 200°C
 - Immersion to LLC : 500 hours at 120°C(TOYOTA LLC 50%)
 - Immersion to Engine oil : 500 hours at 150°C(TOYOTA Brand)
- Test results

Aging condition	Test condition	Results
Heat aging	500 hours at 200°C	no adhesion failure
Immersion to LLC	500 hours at 120°C	no adhesion failure
Immersion to Engine oil	500 hours at 150°C	no adhesion failure