



AUTOMOTIVE TESTS

RESIN: MF 631 S
 CATALYST: DK 700

Tests	Ref. Method	Test conditions	Results
OUTDOOR RESISTANCE			
Florida Test	SAE J 1976	Direct Inland ,45°South	Good (after 2 years)
Arizona Test	SAE J 1976	Direct Weathering , 45° South	Very Good (after 2 years)
Xenon WOM	SAE J1960-89 2000h	65°C- cycle 102minUV+ 18 min. UV/waterspray	no color change, minimal gloss change
Weatherometer QUV-B	SAE J 2020	1000h (8hUV 60°-4hcond.50°C)	no color change, minimal gloss change
Weatherometer QUV-A	SAE J 2020	2000h (8hUV 70°-4hcond.50°C)	no color change, minimal gloss change

CHEMICAL WATER RESISTANCE			
Fuel Resistance	G.M.6073	immersion	No gloss change/No degradation
Acid Resistance	MS-CG12	Spot Test 0.5-10% conc.	No gloss change/No degradation
Solvent Resistance	GM 6121 M	Various types of used chemicals	No gloss change/No degradation
Water Immersion	WSK-M3G178	240 h. @ 45°C	No gloss change/No degradation
Salt Spray Resistance	ASTM B117-95	2000 h @38°C 5% NaCl	No gloss change/No degradation
Humidity Resistance	MS-CG12	250h @ 40°C 100% R.H.	No gloss change/No degradation
Environmental Cycle	G.M.6073	Three Cycles	No gloss change/No degradation

HEAT RESISTANCE			
Heat Resistance	MS-CG12	250 h @ 80°C	No gloss change/No degradation
High Temperature Resistance	G.M.6073	60 min. @ 93°C.	No gloss change/No degradation
Thermal Shock	ESK-M99P16-A:3.5.5	16h.@40°C+ water@70°C/10cycles	No gloss change/No degradation

ABRASION RESISTANCE			
Stone Chip Resistance	SAE J400:85	0.47L of 250-300 graded gravel fired @sample @480KPa in 5-10s	Chipping rating 10- No chipping to substrate

FLAMMABILITY RESISTANCE			
Flammability Resistance	FMVSS 302	ISO 3795	Flame self extinguishing