



# AUTOMOTIVE...

providing SPECIALIZED Rubber Seal COMPOUNDS  
and SEALING SOLUTIONS since 1976.



TS-16949 Production | Level 3 PPAP Documentation | Prompt Shipment from Royal Oak, MI

## Why leading automotive manufacturers insist upon McMasters Koss for O-Rings, Rubber Seals and Gaskets.

McMasters Koss Company was started in 1976 supplying O-Rings and custom molded rubber seals for the automotive industry offering a wide variety of compounds to meet your most demanding requirements.

Manufacturers like **Meritor, Gabriel, Eaton, Cooper Standard** and many others depend upon McMaster Koss for their O-Ring and rubber seal requirements for the following important reasons:

### Best Raw Materials:

Dupont-Dow, Bayer, 3M and Zeon Chemical base elastomers assure complete compliance to ASTM, SAE and various GM, Ford, Toyota and Chrysler (FCA) specifications.

### Specialized Compounds:

We have developed over 250 different rubber compounds for a variety of special applications and can recommend or develop the best compound for your rubber seal project.

### IATF-16949:2016 Production:

McMasters Koss Company uses proven IATF 16949:2016 production methods and certified laboratory testing systems for consistent monitoring and production.

### Level 3 PPAP Documentation:

McMasters Koss works with automotive customers to provide full Level 3 PPAP documentation for your team's pre-launch approval.

### Strategic Shipping Locations:

With quick shipments from our Royal Oak, MI Headquarters or Distribution Center in Asia, we provide support for production throughout North America or worldwide.

### Automated Assembly Experience:

For over 40 years, we have been providing special rubber manufacturing techniques, special surface coatings and packaging solutions to facilitate the most efficient assembly.

### Specialized Laboratory Testing:

McMasters Koss laboratory facilities can provide testing to support OEM evaluation and approval of rubber and oil seal products in the newest automotive fluids.

### Custom Size O-Rings and Rubber Shapes:

We work with your team to develop special O-Ring sizes or molded rubber shapes to meet your special design needs. Prototypes and first articles can be quickly made for your evaluation.

## McMasters Koss High Performance Automotive Rubber Compounds

McMasters Koss Company has a wide variety of compounds that are used every day in automotive applications worldwide.

Our laboratory facilities have developed elastomers to meet the most stringent **Ford, Chrysler, (FCA) GM and Toyota** specifications. We collaborate with many of our customers to meet the newest biofuel, exhaust and emissions applications.

All automotive products are manufactured in our IATF-16949:2016 certified factory per APQP requirements with statistical monitoring of critical quality characteristics.

Level 3 PPAP documentation for quick approvals of your automotive products.

We have a proven reputation of providing dependable zero defect products and JIT delivery for hundreds of automotive applications worldwide.

Viton™ and Teflon™ are Chemours Trade Names for Fluorocarbon Elastomers and PTFE materials

\*Vamac™ is Dupont Dow Elastomers Trade name for Ethylene Acrylic Elastomers

\*As actual PPAP is developed, some compound numbers will change to finalize customer requirements.

Compound	Material Description	Lead Time	Usage Temp	Typical Usage
N00BG7010	70 Durometer Black Nitrile	Stock	-40F to +250F	Oil & Hydraulic Applications
N12BG7010	70 Durometer Low Temperature Nitrile	8-10 Weeks	-65F to +250F	Low Temperature Oil and Hydraulic
N02CH7010	70 Durometer Oil Service Nitrile	8-10 Weeks	-40F to +250F	High Temperature Oil Applications
N00BG9010	90 Durometer High Pressure Nitrile	Stock	-40F to +250F	High Pressure Oil Applications
N00BG6910	70 Durometer High Acrylo Nitrile	8-10 Weeks	-25F to +250F	Fuel Service Applications
N04BG7513	75 Durometer Peroxide Cured Nitrile	8-10 Weeks	-40F to +250F	High Temperature Nitrile
N11BG7014	70 Duro Internally Lubricated Nitrile	8-10 Weeks	-40F to +250F	Internally Lubricated Nitrile
VM00GE7005	70 Durometer Red Silicone	Stock	-65F to +400F	Good Chemical & Temp Resistance
FV01FK7006	70 Durometer Blue Fluorosilicone	8-10 Weeks	-80F to +350F	Broad Temperature and Fuel Service
C00BC7010	70 Duro Black Chloroprene (Neoprene)	8-10 Weeks	-40F to +250F	Oxygen, Ozone and Oil Resistance
E00CA7010	70 Durometer Black Sulfur Cured EPDM	8-10 Weeks	-65F to +300F	Oxygen and Ozone Resistant
E01DA7010	70 Durometer Peroxide Cured EPDM	Stock	-65F to +300F	High Temperature Brake Applications
H00DH7010	70 Duro Blk Hydrogenated Nitrile (HNBR)	8-10 Weeks	-20F to +300F	Chemical and Moderate Temperatures
H00DH7014	70 Duro Grn Hydrogenated Nitrile (HNBR)	8-10 Weeks	-20F to +300F	HVAC, Chemical & Moderate Temp
AE01EE7510	75 Duro Ethylene Acrylic (Vamac™)	8-10 Weeks	-40F to +300F	Transmission & Power Steering
F00HK7510	75 Durometer Brown Fluoroelastomer	Stock	-20F to +400F	Chemical and High Temp Resistant
F03HK7510	75 Durometer Genuine Dupont Viton™	8-10 Weeks	-20F to +400F	Chemical and High Temp Resistant
F07HK9010	90 Duro Hi Pressure Fluoroelastomer	8-10 Weeks	-20F to +400F	High Pressure, Cheml & Temp Resist
F21HK7014	75 Durometer Black Viton™ GF	8-10 Weeks	0 F to +400F	Improved Chemical Resistance
F04HK7010	75 Durometer Black Viton™ GLT	8-10 Weeks	-40F to +350F	Low Temp & Chemical Resistance
F19HK7510	70 Durometer Black Viton™ Extreme	8-10 Weeks	-20F to +400F	Resistance to Steam & Basic Solutions
FF02KK7511	75 Duro Hi Temp Perfluoroelastomer	8-10 Weeks	-22F to +590F	Exceptional Temperature Resistance
FF01KK7514	75 Duro Chem Res Perfluoroelastomer	8-10 Weeks	-22F to +400F	Exceptional Comp Set & Resistance
OOPTFE5015	PTFE - White Virgin (Teflon™)	8-10 Weeks	-300F to +500F	Wide Temperature Crush Seal

**Please contact  
McMasters Koss  
Automotive Specialists  
today to see which  
compound or solution  
we can recommend  
for your specific  
application!**

**Craig Webb - Director of  
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