

WV-007

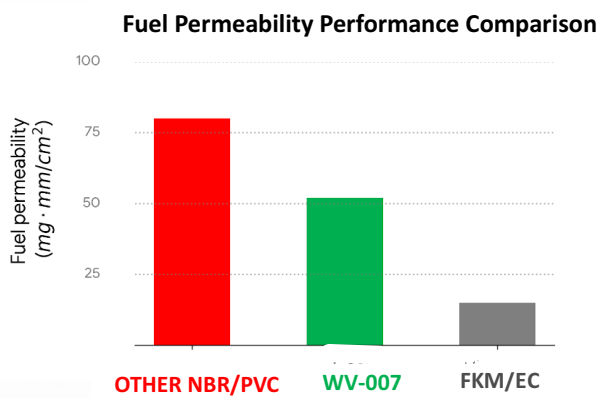
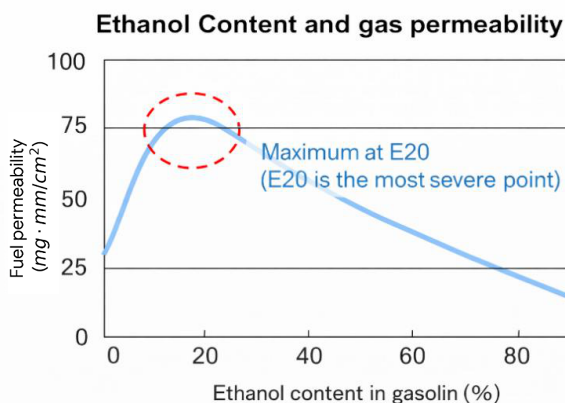
WV-007 is a polyblend with an NBR/PVC ratio of 70:30 manufactured by Elastomix Co. Ltd, Japan, a Subsidiary of ENEOS Materials (formerly JSR)

Product Description:

WV-007 is formulated with a precise NBR/PVC ratio of 70:30. This specific balance ensures the material maintains the oil resistance of NBR while benefiting from the environmental and ozone resistance provided by the PVC component

Technical Specification:

Properties	Value	Test Method
Heat Loss (%)	0.18	JIS K6238
Ash (%)	0.22	JIS K7250
Mooney Viscosity MS(1+4) @ 100°C	89	JIS K6300
Specific Gravity	1.09	JIS K6268



Key Features of WV-007 Vs. FKM:

Properties	WV-007	Fluoro Elastomer
Cost	Low	Very High
Sp Gravity	1.2~	1.8~
Loading	Medium Loading	Low Loading
Handling & Processing	Same as conventional NBR PVC	Needs special care
Compounding Ingredients	Conventional ingredients	Needs Special/Expensive Carbon like MT Black & other expensive chemicals
Post Cure requirement	Post Cure not required	Post Cured Required----Increased Production Cost

Why WV-007 is superior over other NBR-PVC:

Property	Test Condition	WV-72G	WV-007	Conclusion
Volume Swell in E20 Fuel	23°C / 70 h	39.6 %	32.0 %	WV-007 shows significantly lower fuel swell, indicating superior resistance to ethanol-blended fuels
Volume Swell in IRM-903 Oil	150°C / 70 h	61.3 %	43.0 %	WV-007 demonstrates drastically improved oil resistance
Ozone Resistance	50 pphm Ozone @ 40°C / 72 h	Cracked		WV-007 exhibits excellent ozone resistance

