HYPALON CSM

The polyethylene polymer contains additional chlorine and sulfur groups. Chlorine gives the material resistance to flame and mineral oil and also improves the cold flexibility.

Both o-rings and gaskets can be made from Hypalon materials.

Names: **Chlorosulfonated Polyethylene**, **CSM**, **Hypalon®**

Compound Info	
ASTM D1418 Designation	CSM
ASTM D2000/SAE J200 Type, Class	CE
Hardness (Shore A)	45-95
Color	black
Thermal Properties	
Min Temp. -50°F (-45°C)	
Max Temp.270°F (132°C)	

COMPATIBILITY

	Chemical Resistance	Many acids Many oxidizing media Silicone oil and grease Water and water solvents Ozone, aging and weathering resistance
		Low molecular aliphatic hydrocarbons (propane, butane,

	Limited Compatibility	fuel) Mineral oil and grease Limited swelling in aliphatic oils (ASTM oil No.1) High swelling in naphthene and aromatic base oils (IRM 902, IRM 903) Polar solvents (acetone, methyl ether, ketone, ethyl acetate, diethyl ether, dioxane) Phosphate-ester based fluids
	NOT compatible	Aromatic hydrocarbons (benzene) Chlorinated hydrocarbons (trichloroethylene)

Disclaimer: These are general guidelines only. All materials should be tested in your application.

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