



# TECHNICAL DATA SHEET

**Compound :**

**CR**

**Polymer of 2-chlorine-1,3-butadiene  
Copolymer 2-chlorine-1,3-butadiene/2,3-dichloro-1,3-butadiene  
Copolymer 2-chlorine-1,3-butadiene/sulphur  
Terpolymer 2-chlorine-1,3-butadiene/sulphur/2,3-dichloro-1,3-butadiene**

## ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	50 ÷ 80
Density	g/cm <sup>3</sup>	1,25 ÷ 1,60
Minimum temperature	° C	- 20 ÷ - 30 * (- 40) **
Maximum temperature	° C	85 ÷ 95 * (115) **

Physical-mechanical characteristics

*Mechanical properties from good to excellent \**  
*Resistance to permanent deformation from fairly good to excellent \**  
*Excellent abrasion-resistance*  
*Rebound elasticity from very good to excellent \**

Other properties

*Good air and gas impermeability*  
*Poor dyeing*  
*Excellent UV radiation resistance*  
*Excellent flame resistance, possible self- extinguishability \*\**  
*Quite good dielectric properties*

Chemical compatibility

*Satisfactory in contact with:*

- Different oils and animal and vegetable greases (except castor oil)
- Mineral oils and high grade of aniline
- Solutions of not-oxidative acids
- Basic solution at middle-high concentration
- Saline solutions \*\*
- Atmospheric agents
- Different kinds of Freon
- Hydraulic fluids on the basis of silicic esters

*Satisfactory enough in contact with:*

- Mineral oils at middle-high grade of aniline
- Aliphatic hydrocarbons
- Ozone
- Water up to 100°C

*Insufficient in contact with:*

- Mineral oils at low grade of aniline
- Sintetic lubricants on the basis of diesters
- Mineral acids at middle-high concentration
- Aromatic and chloridated hydrocarbons
- Hydraulic fluids based on phosphoric esters
- Phenol

\* depending from the types

\*\* with a specific optimal formulation