

Polychloroprene Rubber (CR)

Categories: [Polymer](#); [Thermoset](#); [Rubber or Thermoset Elastomer \(TSE\)](#)

Material Notes: Polychloroprene rubber usually withstands ozone, oil/fat/grease, and many solvents. It is impacted by esters, ketones, chlorinated solvents, aromatic hydrocarbons, strong oxidizing acids, and nitrogen containing hydrocarbons.

Key Words: Trade Name: Neoprene

Vendors:



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| Physical Properties | Metric | English | Comments |
|----------------------------------|------------------|------------------------------------|------------------------|
| Density | 1.35 - 1.50 g/cc | 0.0488 - 0.0542 lb/in ³ | Compounded |
| Mechanical Properties | Metric | English | Comments |
| Hardness, Shore A | 35 - 95 | 35 - 95 | Depends on compounding |
| Tensile Strength, Ultimate | 28.0 MPa | 4060 psi | Compounded Tire |
| Elongation at Break | 100 - 800 % | 100 - 800 % | |
| Thermal Properties | Metric | English | Comments |
| Maximum Service Temperature, Air | 100 °C | 212 °F | |
| Minimum Service Temperature, Air | -30.0 °C | -22.0 °F | |

[References](#) for this datasheet.

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.