

International Classification	Chemical Terminology	Properties	Temperature Range		Chemical Resistance
			Min.	Max.	
NR	Natural Rubber	Excellent mechanical properties, Very good elastic properties, Extremely good abrasion resistance	-50°C	+80°C	Medium resistance to sea water, acids and bases of medium concentration.
IR	Polyisoprene Rubber	Good mechanical properties, Good elastic properties Blends with SBR and NR are allowed	-50°C	+90°C	Medium resistance to sea water, acids and bases of medium concentration.
BR	Butadiene Rubber	Excellent elastic properties, Extremely good abrasion resistance, Blends with SBR,NR,IR and NBR are allowed	-45°C	+90°C	Medium resistance to sea water, acids and bases of medium concentration.
SBR	Styrene Butadiene Rubber	Good mechanical properties, Good abrasion resistance, Good resistance to permanent deformation	-40°C	+100°C	Good resistance to several freon, glycols and brake fluids.
EPM	Ethylene Propylene Copolymer	Very good heat, high temperature and ozone resistance High resistance to permanent deformation, Only peroxide curing	-45°C	+150°C	Good resistance to water and glycols, chemical and oxidation resistance, very good steam resistance upto 150°C.
EPDM	Ethylene Propylene Terpolymer	Very good heat, high temperature and ozone resistance High resistance to permanent deformation, Very good water and steam resistance up to 150°C	-45°C	+150°C	Good resistance to water and glycols, chemical and oxidation resistance, very good steam resistance upto 150°C.
CR	Chloroprene Rubber	Good ozone and sea water resistance, Good flame resistance, Self extinguishing is possible, Good resistance to animal and vegetable fats	-40°C	+110°C	Good resistance to fats, ozone, atmospheric agents and light fastness, good flame and several freon resistance.
NBR	Acrylonitrile Butadiene Rubber	Good resistance to oils, Good mechanical properties, From good to excellent gas and air impermeability	-40°C	+130°C	Good resistance to oils, mineral animal and vegetable fats, hydrocarbons and gas.
HNBR	Hydrogenated Acrylonitrile Butadiene Rubber	Very good mechanical properties, Very good heat resistance up to 150°C Excellent abrasion resistance and permanent deformation	-40°C	+150°C	Very good resistance to oils, mineral animal and vegetable fats, hydrocarbons and gas, very good resistance to several freon.
CSM	Chlorosulfonated Polyethylene	Excellent mechanical properties, Very good flame, heat, ozone and atmospheric agents resistance, Excellent air and gas impermeability	-35°C	+120°C	Very good resistance to strong oxidant, very good resistance to strong bases and acids, very good resistance to sea water, saline solutions, alcohols and hypochlorite.
ACM	Acrylic Acid Ester Copolymer	Excellent air and gas impermeability, very good oil resistance upto 150°C, Very good ozone, atmospheric agents and UV rays resistance	-30°C	+150°C	Very good resistance to aliphatic oils, heat, oxygen ozone and weathering resistance, good resistance at high temperature oils.
AEM	Ethylene Acrylic	Excellent air and gas impermeability, Very good heat and oils resistance up to 170°C Good permanent deformation at high temperature	-30°C	+170°C	Very good resistance to aliphatic oils, heat, oxygen, ozone and weathering resistance, good resistance at high temperature oils.
EU	Polyurethane Polyether	Excellent abrasion and tear resistance, Very good mechanical properties, Good air and several gas impermeability, Good hydrolysis resistance	-30°C	+100°C	Good hydrolysis, sea water and saline solutions resistance.
AU	Polyurethane Polyether	Excellent abrasion and tear resistance, Very good mechanical properties, Good air and several gas impermeability, Good hydrolysis resistance	-30°C	+100°C	Good resistance to oils, minerals, animal fats and aliphatic hydrocarbons.
ECO	Polyepichlorohydrin	Good flame resistance, Good mechanical properties, Good elastic characteristics at low and high temperatures, Excellent air and gas impermeability Very good ozone resistance	-40°C	+135°C	Good resistance to oils, minerals, animal and vegetable fats and glycols.
VMQ	Polymethyl -Vinyl-Siloxanes	Very good heat resistance, Very good elastic characteristics at very low temperatures, Non toxic in contact with food stuff, Very good electrical insulation characteristics	-40°C	+200°C	Good resistance to saline solutions and water upto 100°C, good weathering resistance, ozone, mineral, animal and vegetable fats, alcohols and glycols resistance.
PVMQ	Polymethyl -Vinyl-Siloxanes	Excellent elastic characteristics at very low temperatures	-90°C	+200°C	Good resistance to saline solutions and water upto 100°C, good weathering resistance, ozone, mineral, animal and vegetable fats, alcohols and glycols resistance.
FVMQ	Polytrifluoromethyl-Vinyl-Siloxanes	Very good chemical resistance, Very good mechanical properties at low and high temperatures, high resistance to permanent deformation	-55°C	+200°C	Good resistance to oils from -60°C to 200°C good chemical resistance to several fluids, very good resistance to oils, fuels and solvents.
FPM/FKM	Co-Ter-Tetra Fluorocarbon Polymer TFE + VDF + HFP + PFVE	Excellent thermal and chemical resistance to oils and solvents, Very high resistance to permanent deformation	-40°C	+250°C	Very good resistance to oils, mineral, animal and vegetable fats, aromatic, aliphatic, chlorinated solvents and fuels.
FFKM	Copolymer tetrafluoroethylene TFE + PFVE	Excellent chemical inertia, Utilization in extreme conditions, Very good heat resistance up to 320°C	-15°C	+315°C	Excellent chemical resistance, practically inert, able to withstand temperature peak of 350°C for limited time.

Descrizioni e caratteristiche tecniche indicative e non impegnative / We reserve the right to change product and specification without prior notice