

Acrylic

International name	ACM
Available hardness	50-80 Shore A
Working temperature	- 35°C till + 175°C
Temporary max temperature	+200°C
Tensile strength kp/sq.cm(N/sq.mm)	160 (16)
Breakage limit in %	up to 350
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Fairly good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Not good
Gasoline	Not good
Benzole	Not good
Animal fats	Not good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Not good
Water	Good

Acryonitril

International name	NBR
Available hardness	25-95 Shore A
Working temperature	- 40°C till + 80°C
Temporary max temperature	up to +160°C
Tensile strength kp/sq.cm(N/sq.mm)	250 (25)
Breakage limit in %	500
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Not good
Oxide sensitivity	Fairly good
Ozone sensitivity	Fairly good
Weather effects	Fairly good
Resistance	
Lye chemical	Good
Gasoline	Good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Not good
Water	Good

Butyl

International name	IIR
Available hardness	40-85 Shore A
Working temperature	- 40°C till + 130°C
Temporary max temperature	+150°C
Tensile strength kp/sq.cm(N/sq.mm)	170 (17)
Breakage limit in %	400 to 800
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Not good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Not good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Not good
Acidic substances	Good
Water	Good

EPDM Ethylene-propylene-diene

International name	EPDM
Available hardness	30-90 Shore A
Working temperature	- 40°C till + 150°C
Temporary max temperature	up to +180°C
Tensile strength kp/sq.cm(N/sq.mm)	200 (20)
Breakage limit in %	450
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Not good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Not good
Acidic substances	Good
Water	Good

Epichloro-hydrin

International name	ECO
Available hardness	50-90 Shore A
Working temperature	- 40°C till + 175°C
Temporary max temperature	+150°C
Tensile strength kp/sq.cm(N/sq.mm)	170 (17)
Breakage limit in %	150 to 500
Properties	
Abrasion properties	Fairly good
Cracking-formation	Good
Flexibility	Fairly good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Not good
Gasoline	Good
Benzole	Good
Animal fats	Not good
Aliphatic solutions	Good
Aromatic solutions	Good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Fairly good
Water	Fairly good

Fluorinated rubber

International name	FPM
Available hardness	65-90 Shore A
Working temperature	- 30°C till + 225°C
Temporary max temperature	up to +350°C
Tensile strength kp/sq.cm(N/sq.mm)	200 (20)
Breakage limit in %	400
Properties	
Abrasion properties	Fairly good
Cracking-formation	Good
Flexibility	Fairly good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Good
Benzole	Good
Animal fats	Not good
Aliphatic solutions	Good
Aromatic solutions	Good
Halogen solutions	Good
Oil & grease	Good
Acidic substances	Good
Water	Good

Hydro-genated

International name	HNBR
Available hardness	40-90 Shore A
Working temperature	- 40°C till + 175°C
Temporary max temperature	+100°C
Tensile strength kp/sq.cm(N/sq.mm)	300 (30)
Breakage limit in %	150 to 600
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Good
Benzole	Fairly good
Animal fats	Not good
Aliphatic solutions	Good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Fairly good
Water	Good

Chloro-prene

International name	CR / Neporen
Available hardness	30-90 Shore A
Working temperature	- 30°C till + 120°C
Temporary max temperature	up to +150°C
Tensile strength kp/sq.cm(N/sq.mm)	250 (25)
Breakage limit in %	450
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Fairly good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Fairly good
Aromatic solutions	Fairly good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Good
Water	Good

Chlorosulphonated

International name	CSM
Available hardness	50-95 Shore A
Working temperature	- 40°C till + 120°C
Temporary max temperature	up to +175°C
Tensile strength kp/sq.cm(N/sq.mm)	180 (18)
Breakage limit in %	300
Properties	
Abrasion properties	Fairly good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Fairly good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Fairly good
Aromatic solutions	Fairly good
Halogen solutions	Fairly good
Oil & grease	Good
Acidic substances	Good
Water	Good

Natural rubber

International name	NR
Available hardness	25-95 Shore A
Working temperature	- 40°C till + 80°C
Temporary max temperature	+100°C
Tensile strength kp/sq.cm(N/sq.mm)	250 (25)
Breakage limit in %	800
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Not good
Oxide sensitivity	Fairly good
Ozone sensitivity	Fairly good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Not good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Not good
Acidic substances	Not good
Water	Good

Polyboron

International name	PNR
Available hardness	10-80 Shore A
Working temperature	- 40°C till + 80°C
Temporary max temperature	+100°C
Tensile strength kp/sq.cm(N/sq.mm)	170 (17)
Breakage limit in %	300 to 700
Properties	
Abrasion properties	Good
Cracking-formation	Fairly good
Flexibility	Not good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Fairly good
Gasoline	Not good
Benzole	Not good
Animal fats	Not good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Not good
Acidic substances	Fairly good
Water	Good

Silicone rubber

International name	SI
Available hardness	40-80 Shore A
Working temperature	- 40°C till + 150°C
Temporary max temperature	up to +225°C
Tensile strength kp/sq.cm(N/sq.mm)	80 (8)
Breakage limit in %	250
Properties	
Abrasion properties	Fairly good
Cracking-formation	Not good
Flexibility	Good
Light sensitivity	Good
Oxide sensitivity	Good
Ozone sensitivity	Good
Weather effects	Good
Resistance	
Lye chemical	Not good
Gasoline	Not good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Good
Acidic substances	Not good
Water	Good

Styrene

International name	SBR
Available hardness	35-95 Shore A
Working temperature	- 30°C till + 110°C
Temporary max temperature	up to +150°C
Tensile strength kp/sq.cm(N/sq.mm)	250 (25)
Breakage limit in %	450
Properties	
Abrasion properties	Good
Cracking-formation	Good
Flexibility	Good
Light sensitivity	Fairly good
Oxide sensitivity	Fairly good
Ozone sensitivity	Fairly good
Weather effects	Good
Resistance	
Lye chemical	Good
Gasoline	Not good
Benzole	Not good
Animal fats	Good
Aliphatic solutions	Not good
Aromatic solutions	Not good
Halogen solutions	Not good
Oil & grease	Not good
Acidic substances	Not good
Water	Good