

Material Performances



Name Grade Property	NBR (N)	HNBR (H)	XNBR (X)	EPDM (E)	VMQ (S)	CR (C)	FKM (V)	AFLAS (L)	FVMQ (F)	FFKM (K)	PTFE (T)	PU (U)	ECO (O)	NR (R)	SBR (B)	IIR (I)	ACM (A)
	OZONE RESISTANCE	△	◎	○	◎	◎	◎◎	◎	◎	◎	◎	◎	◎	◎	×	×	○
WEATHER RESISTANCE	△	◎	◎	◎	◎	○	◎	◎	◎	◎	◎	○	○	×	△	◎	◎
HEAT RESISTANCE	120°C	150°C	150°C	150°C	220°C	120°C	200°C	230°C	200°C	320°C	280°C	90°C	135°C	90°C	110°C	120°C	150°C
CHEMICAL RESISTANCE	○△	○	○	◎	◎◎	○△	◎	◎	◎	◎	◎	◎	○	×	△	○	×
OIL RESISTANCE	◎	◎	◎	×	○△	○△	◎	◎◎	◎	◎	◎	◎	○	×	×	×	◎
WATER SWELL RESISTANCE	○	○	○	◎	○	○	○	◎	△	◎	◎	×	○	○	○	◎	◎
COLD RESISTANCE	-40°C	-40°C	-35°C	-50°C	-70°C	-40°C	-20°C	-2°C	-60°C	-10°C	-100°C	-40°C	-35°C	-60°C	-40°C	-50°C	-25°C
ABRASION RESISTANCE	○	◎◎	◎◎	○	×	○	◎◎	◎◎	×	◎	◎	◎	◎◎	◎◎	◎◎	○	△
DEFORMATION RESISTANCE	◎◎	○	△	◎◎	◎	△	○	○	◎	◎	×	×	○	◎◎	◎◎	○	△
ACID RESISTANCE	△	○	○	◎◎	△	○△	◎	◎	◎	◎	◎	×	○△	○△	○△	○	△×
ALKALINE RESISTANCE	○	◎◎	○	◎	△	◎◎	◎◎	◎	△	◎	◎	×	○	△	△	◎	×
TENSILE STRENGTH	◎◎	◎	◎	◎◎	×	◎◎	◎◎	◎◎	○	◎◎	△×	◎	◎◎	◎	◎	○	△
STEAM RESISTANCE	○△	○△	○△	◎◎	○△	△	○△	◎	○△	◎	○	×	○△	△	○△	○△	×
BURNING RESISTANCE	×	×	△	×	×	○	◎	○	△×	◎	◎	△	△×	×	×	△×	△×
AGE RESISTANCE (STORED PROPERLY) (Y=YEAR)	5-10Y	5-10Y	5-10Y	5-10Y	ABT20Y	5-10Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT20Y	ABT 1Y	5-10Y	3-5Y	5-10Y	5-10Y	ABT20Y

◎ EXCELLENT ○ GOOD △ SATISFYING × BAD

Reference color	Red		Orange		Yellow		Green		Blue		Gray		Purple		Brown		Milk		Green	
Name	Red		Orange		Yellow		Green		Blue		Gray		Purple		Brown		Milk		Green	
(PANTONE)	187 C		1665 C		7404 U		3298 C		280 C		431 C		2665 U		4975 C		Warm gray 1C		RAL 6011 (FKM)	