

# DXSeal inc

Premium Gasket Materials



**DX 220 nbr** - DX 220 is a high quality sealing material, manufactured with synthetic, aramid fibers, inorganic fibers and fillers and an NBR binder. Recommended for use in sealing against oils, solvents, fuels, non-aggressive solutions, and service conditions up to 750°F\*

**DX 300 neo** - DX 300 is a high quality general service sheet, manufactured with synthetic fibers and a Neoprene binder. Recommended for use in sealing against oils, solvents, fuels, non-aggressive solutions, and service conditions up to 750°F\*

**DX 660 nbr** - DX 660 is a high quality general service sheet, manufactured with synthetic fibers and an NBR binder. Recommended for use in sealing against oils, solvents, fuels, non-aggressive solutions, and service conditions up to 750°F\*

**DX 770 sbr** - DX 770 is a high quality premium service sheet, manufactured with synthetic fibers and an SBR binder. Recommended for use in sealing in water, low pressure steam, air and gases, and service conditions up to 750°F\*

**DX 880 nbr** - DX 880 is a premium grade compressed sheet, manufactured with synthetic fibers and an NBR binder. Recommended for use in sealing oils, solvents, fuels, mild acids and alkalis, and service conditions up to 750°F\*

**DX 990 wi nbr** - DX 990 is a premium grade, wire inserted compressed sheet, made with synthetic fibers and an NBR binder. Recommended for high pressure use in sealing against oils, solvents, fuels, mild acids and alkalis, and service conditions up to 750°F\*

**DX BAF nbr** - If you need one sheet to fit a wide range of applications, we recommend style B.A.F. It's a premium quality compressed gasket material, manufactured from graphite, fibers and an NBR (nitrile) binder. Recommended for use in sealing against water, steam, fuels, lubricant alkalis, and weak acids with service conditions up to 800°F

**DX C6 nbr** - DX C6 is a premium grade, ultra soft gasket sheet manufactured from premium carbon fiber and bound with NBR. Recommended for use in sealing against steam and aggressive media in the chemical and Petrochemical industry. Good for service conditions up to 850°F and meets API 607 test protocol.

**DX 347c Steam Seal nbr** - If you need to seal against steam, we recommend style DX 347c. It's a premium quality compressed gasket material, manufactured from inorganic fibers, fillers and an NBR (nitrile) binder. Recommended for use in sealing against both saturated and super heated steam. It's also suitable for ethanol, petroleum derivatives and other various chemicals at elevated temperatures.

Physical Data	220	300	660	770	880	990	BAF	C6	347c
Sheet Color	Grey	Black	Green	Off White	Blue	Graphite	Black	Black	Black
Binder Compound	nbr	neoprene	nbr	sbr	nbr	nbr/wire	nbr	nbr	nbr
Density (lb /cubic ft)	106	100	109	108	108	120	105	100	100
Available Thicknesses	1/64"-1/8"	1/64"-1/4"	1/64"-1/4"	1/64"-1/8"	1/64"-1/4"	1/64"-1/8"	1/64"-1/8"	1/64"-1/8"	1/64"-1/8"
Service Temp Max (°F)	750°F*	700°F*	750°F*	720°F*	750°F*	750°F*	800°F*	850°F*	1020°F*
Service Pressure Max (psi)	1500 psi <sup>1</sup>	1180 psi <sup>1</sup>	1380 psi <sup>1</sup>	1400 psi <sup>1</sup>	1400 psi <sup>1</sup>	2030 psi <sup>1</sup>	1500 psi <sup>1</sup>	1550 psi <sup>1</sup>	2170 psi <sup>1</sup>
Compressibility @ 5000 psi (%)	7-17%	7-17%	7-17%	7-17%	7-15%	7-15%	7-17%	7-15%	7-17%
Recovery ASTM F36A Minimum (%)	45%	50%	45%	45%	45%	50%	60%	55%	40%
Creep Relaxation ASTM F38B (max%)	23%	18%	25%	20%	20%	20%	19%	20%	19%
Recommended Max Continuous Service Temp (°F)	480°F	400°F	460°F	450°F	475°F	500°F	540°F	575°F	800°F
Thickness Increase (maximum %) ASTM F146 (ASTM Oil #3)	20%	15-30%	12%	40%	12%	8%	8%	10%	15%
Weight Increase (maximum %) ASTM F146 (ASTM Oil Fuel B)	20%	20%	15%	30%	15%	15%	15%	15%	20%
Thickness Increase (maximum %) ASTM F146 (ASTM Oil Fuel B)	15%	20%	15%	25%	12%	15%	10%	12%	15%

\* Maximum Temperature rating is suitable for short intervals only. Recommended Maximum Continuous Temperature is listed in the table above. Specific application details must be qualified and quantified.

<sup>1</sup> Maximum Pressure rating is suitable for short intervals only. Maximum Pressure must be determined in conjunction with application temperature and available loading data.