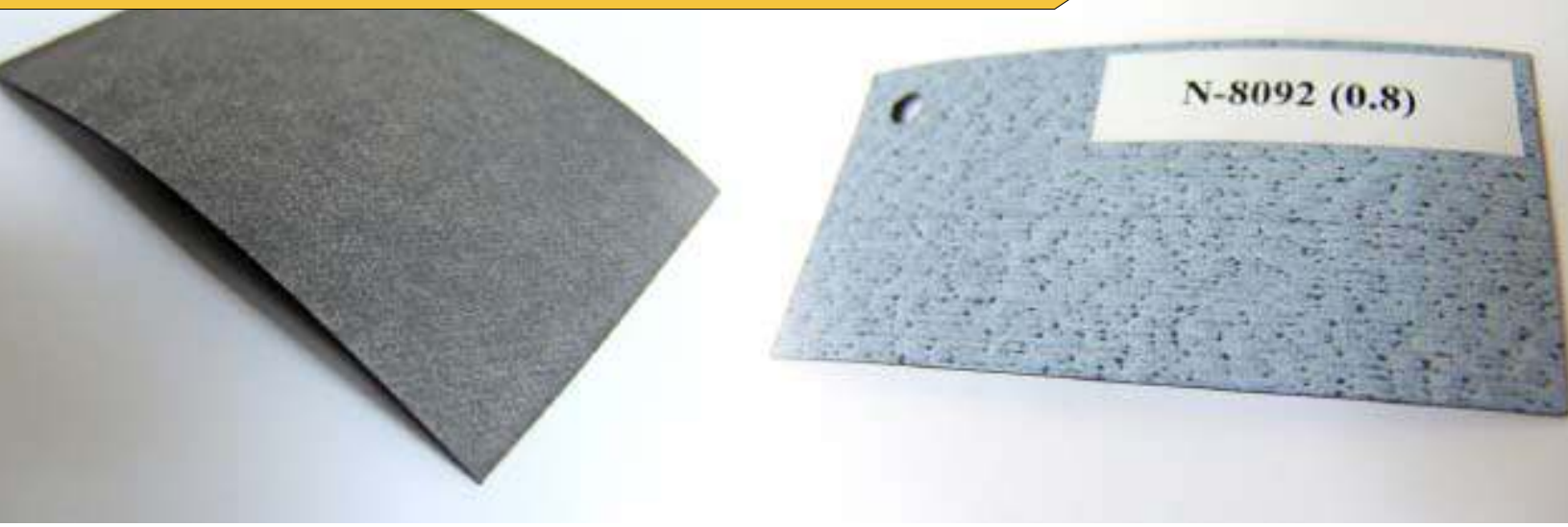
CTP GASKET MATERIALS & SPECIFICATIONS



N-8092 Over N-8094

5 Reasons Why CTP Always Uses N-8092 Over N-8094 in the HD Diesel Engine Market

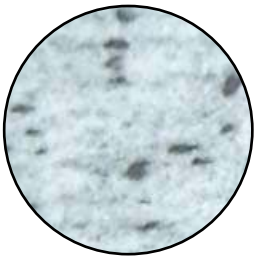
1) N-8092 is produced at a higher minimum density (40% more) than N-8094 (8092 = 1.20 g/cc or 75 lbs./cu.ft. min. versus 8094 = 0.87 g/cc or 54 lbs/cu.ft. min).

2) N-8092 has a tighter pore structure that will resist permeation of fluids much better than N-8094.

3) N-8092 seals oil at almost half the required load needed to seal N-8094 at the same gasket thickness and flange load.

4) N-8092's sealabilty performance in a pressurized gas environment is more than 2 x better than N-8094.

5) N-8092 resists creep better than N-8094 to provide better bolt load retention over time. Higher joint tightness = longer- term sealing durability.



N-8092

N-8094

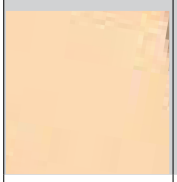
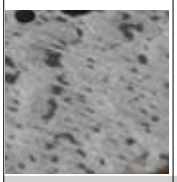
Because it provides satisfactory sealing and load retention, and outstanding crush, CTP chooses N-8092 (with "AS/2" anti-stick 2x sides) over N-8094.

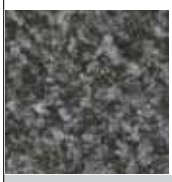
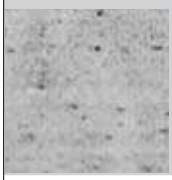
100% Asbestos-Free
InterFace Solutions®
100% Solvent-Free

Quality with Value Guaranteed™

CTP **GASKET MATERIALS & SPECIFICATIONS**

All materials are treated with an anti-stick coating on both sides to better protect the gasket and the machine itself.

Material	Gasket Type	Material	Application	Maximum Short Duration Temperatures
NCA-45 	Cork Gasket	Cork/synthetic rubber blend	Medium Oil resistance of most Sealing application: ✓ Valve Covers ✓ Oil Pans ✓ Transmission Pans	up to 200°C (392°F)
CMP-4000 	Paper Gasket	Compressed MicroPore material, combining a unique synthetic fiber matrix and fully cured Nitrile Butadiene rubber binder	Excellent seability and torque retention properties for OEM and Industrial Applications.	up to 350°C (650°F)
HFL-171 	Paper Gasket	Fully cured Nitrile Butadiene rubber binder	Heavy-duty and Industrial Applications: ✓ Diesel engine ✓ Transmission ✓ Refrigeration ✓ Piping	up to 290°C (550°F)
HFL-781 	Paper Gasket	Controlled swell gasket material with Styrene Butadiene and natural rubber binders	Heavy-duty oil sealing Applications: ✓ Diesel engine ✓ Oil pans ✓ Front covers	up to 290°C (550°F)
M5201 	Paper Gasket	High-density material with fully cured Nitrile Butadiene rubber binder	Heavy-duty Diesel engine Applications: ✓ Oil resistance ✓ Fuel resistance	up to 290°C (550°F)
MP-15 	Paper Gasket	MicroPore with a Nitrile Butadiene binder	Excellent low flange pressure seability and bolt torque retention for heavy-duty applications: ✓ Compressors ✓ Diesel engines ✓ Others	up to 205°C (400°F)
N-8092 	Paper Gasket	Reinforced Cellulose with Nitrile binder	Excellent crush resistance at high flange pressure for Diesel Engines and Compressor Applications: ✓ Oil ✓ Fuel ✓ Water	up to 180°C (350°F)
PF-4S 	Paper Gasket	Synthetic fibers, advanced fillers and Nitrile Butadiene binders	Various Oil, Air, and Coolant Applications: ✓ Oil pans ✓ Front covers ✓ Intake manifolds ✓ Rear seals	up to 290°C (550°F)

Material	Gasket Type	Material	Application	Maximum Short Duration Temperatures
RN8011 	Paper Gasket	Low density Cellulose fiber material with high rubber filler content and Nitrile Butadiene rubber binder	Excellent sealing at low flange pressures for Oil and Water Applications: ✓ Engine ✓ Transmission pan gaskets ✓ Water pumps ✓ Environmental seals	up to 180°C (350°F)
S-8091 	Paper Gasket	Latent cure Styrene Butadiene bound material with reinforced Cellulose fiber	Excellent sealing for: ✓ Oil ✓ Fuel ✓ Low-pressure Steam	up to 180°C (350°F)
TS-9016 	Paper Gasket	Fully cured Styrene Butadiene rubber binder and a blend of Aramid and Cellulose fibers	Oil and Water Applications	up to 290°C (550°F)
VB-72 	Paper Gasket	MicroPore with a Nitrile Butadiene binder	Heavy-duty applications: ✓ Valve body ✓ Applications with high fluid pressures and flow rates exposure ✓ Erosion Resistance	up to 290°C (550°F)
EMC-7201 	Metal Gasket	Composite structure of high-density, fully cured Nitrile Butadiene bound gasket facings chemically and mechanically fused to an expanded steel core	High performance Diesel engine structural joint applications: ✓ Gear case ✓ Flywheel housings ✓ High pressure hydraulic joints	
HTX-900 7% 	Metal Gasket	Graphite-coated, high temperature facing material chemically and mechanically fused to an expanded steel core	High strenght, thermal integrity, and anti-stick performance sealing applications: ✓ Exhaust manifolds ✓ Header ✓ Collector ✓ EGR system gaskets	
ML6 	Metal Gasket	Non-asbestos Cellulose fiber combined with Nitrile latex and thermosetting resins	High Performance, non-extruding metal support sealing application: Intake manifolds Transmission Braking system Industrial Applications	up to 205°C (400°F)