



IPD DIFFERENTIATION BULLETIN

**IPD Differentiation:
IPD GASKET MATERIALS**

Aug-Sept 2007

IPDDB-0002



Some rebuilders feel that a gasket is a gasket and as long as it fits, it will work. While this may be true in some light duty applications or non-critical applications, it is rarely true in heavy duty diesel and natural gas engines.

Many aftermarket gasket manufacturers have compromised the quality of their gaskets by using materials not intended to work under the extreme conditions that most diesel and natural gas engines are subject to. These lighter duty materials will lead to either reduced sealing capability or in more extreme cases, lower engine performance or engine life. ***Please beware of brand names of materials as there can be many different options of grades of materials available within each brand name!***

At IPD we feel that the ***quality of our materials defines our gasket program.*** We strive to use the latest materials and to assure that ***each part number receives the correct material specification for the application.***

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IPD
Torrance CA USA 90501
www.ipdparts.com

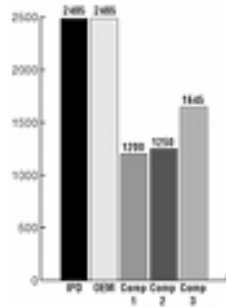
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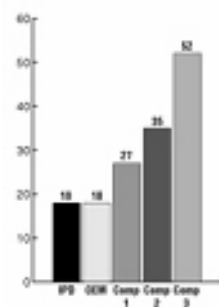
Shown below are a few examples of IPD quality materials vs the OEM and 3 other “typical” aftermarket suppliers. Example shown is an oil pan gasket

Tensile Strength



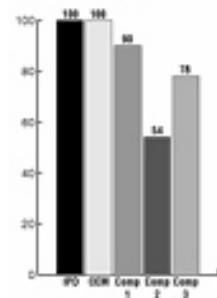
Tensile strength is a measure of the materials' resistance to blow out when used in high-pressure applications.

Creep Relaxation Values



Creep relaxation indicates the gasket materials ability to maintain initial bolt torque after exposure to stress, temperature and time. Lower creep values indicate materials that are better at sustaining pressure.

Crush Resistance Density Values lbs./cu. FT.



Crushing or extrusion occurs when compressive forces exceed the point where the gasket materials pore volume is zero. Resulting in leakage

Why bother?

Our complete solution includes providing products that will provide the **engine performance and life that the owner expects without compromise**. While this does not always translate to the lowest price product – it does assure the best overall value considering cost and performance.

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