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September 8, 2003

General Distribution

Re: Gaskets for Lined Pipe

We are often asked for a gasket recommendation for lined pipe. This could vary from carbon steel flanges lined with PTFE or other plastic type liners all the way to FRP (fiberglass reinforced plastic) flanges with a PTFE. A quick overview would include the following points:

Many lined pipe manufacturers recommend their pipe be installed with no gasket, sealing one liner against another. Gaskets are typically recommended if a lined pipe is mated to a valve, or to a non-lined pipe flange, or if a joint is opened and reassembled.

Gaskets should be soft and easily sealed. Our top recommendation for most lined systems is Style 3545 1/16" thick, or even 1/32". Liners typically have high creep relaxation, so we need to keep the gasket as thin as possible. (Thinner gaskets creep less and resist blowout better.)

Torque values should be obtained from the liner manufacturer. If minimum and maximum torque values are provided, use the max. Our standard torque recommendations may not be appropriate, especially in non-metallic flanges. Applications will be happy to discuss any specific recommendations.

Please feel free to contact Applications Engineering should you require anything further.

Sincerely,

A handwritten signature in cursive script that reads "Dave Burgess".

Dave Burgess  
Applications Engineering  
Industrial Gasketing

cc: J Heffron M Tones  
file: g/ingasket/apps/lined pipe/lined pipe gaskets