Gasket Materials Used For Ductile Iron Pipe in Water and Sewage Service

Last Revised: May 2016
<table>
<thead>
<tr>
<th>Description</th>
<th>Maximum Service Temperature (°F)¹,²</th>
<th>Uses³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water &amp; Sewer</td>
<td>Air⁴,⁵</td>
</tr>
<tr>
<td>SBR (Styrene Butadiene)</td>
<td>150°</td>
<td>150°</td>
</tr>
<tr>
<td>EPDM (Ethylene Propylene Diene Monomer)</td>
<td>212°</td>
<td>200°</td>
</tr>
<tr>
<td>Neoprene® (CR) (Polychloroprene)</td>
<td>200°</td>
<td>180°</td>
</tr>
<tr>
<td>Viton®; Fluorel® (FKM)⁶ (Fluorocarbon)</td>
<td>212°</td>
<td>300°</td>
</tr>
</tbody>
</table>

¹ Maximum service temperatures listed are intended as general guidelines for Ductile Iron Pipe gaskets. For service temperatures greater than those listed, consult pipe manufacturer for specific recommendations.

² Maximum service temperature is not usually a meaningful parameter for piping gaskets; however, low temperatures during pipeline installation may necessitate precautions. Consult pipe manufacturer for pertinent recommendations.

³ Water, including sewage, with low levels of the listed contaminants.

⁴ Lubricating oil in the air will adversely affect SBR and EPDM performance.

⁵ SBR, Nitrile, or Neoprene are not recommended for air exposure in wastewater treatment systems.

⁶ Consult pipe manufacturer for availability of FKM push-on gaskets.
For more information contact DIPRA or any of its member companies.

**Ductile Iron Pipe Research Association**

An association of quality producers dedicated to the highest pipe standards through a program of continuing research and service to water and wastewater professionals.

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**Social Media**

Get in the flow with Ductile Iron Pipe by connecting with us on Facebook, Twitter, and LinkedIn.

Visit our website, [www.dipra.org/videos](http://www.dipra.org/videos), and click on the YouTube icon for informational videos on Ductile Iron Pipe’s ease of use, economic benefits, strength and durability, advantages over PVC, and more.

**Member Companies**

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Canada Pipe Company, Ltd.
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Two Chase Corporate Drive
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**Ductile Iron Pipe is SMART certified**

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