

# PC405 Resilon-T<sup>®</sup> Materials

Carbon filled PEEK, proprietary fillers



## Lubricated (L) and Non-lubricated (NL) applications for PC405 material

Gas	Temperature (°F)	Pressure (psi)	Previous Life (hrs)	Current Life (hrs)
Air (L)	220	3500	2150	60000+
Helium (L)	240	3000	8000	14000+
Methane (NL)	190	1800	4400	8700+
Hydrogen (NL)	300	900	8000	16000
Carbon Dioxide (NL)	320	270	4100	12000

CECO's premium grade, Resilon-T<sup>®</sup> PC405 material is our preferred choice for high temperature, high pressure applications. PC405 has outstanding physical properties, including no creep at very high pressure and temperatures.

PC405 is a versatile grade that can be run lubricated or non-lubricated. The maximum operating conditions that are optimal are below 400°F and 4500 psi in lubricated applications, and 350°F at 2000 psi in non-lubricated service.

CECO stocks PC405 in a variety of sizes for immediate manufacturing. Please consult your CECO sales representative for recommendations for your specific operating conditions.

## PC405 Benefits

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Outstanding for high pressure/high temperature applications

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No deformation under load (creep)

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Ability to run lubricated or non-lube where standard grades fail

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**Call for a Solution:**

# 800-TRY-CECO

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