

# 420M Stainless Steel

Composition: percentage of elements

<b>C</b>	<b>Si</b>	<b>S</b>	<b>P</b>	<b>Mn</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>
<b>0.430</b>	<b>0.620</b>	<b>0.001</b>	<b>0.020</b>	<b>0.510</b>	<b>0.500</b>	<b>13.760</b>	<b>0.270</b>

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## Tempering Data

<b>Elements %</b>	<b>Forging Temperature Degrees C/F</b>	<b>Annealed Temper Degrees C/F</b>	<b>Air Quenching Degrees C/F</b>	<b>Tempering Degrees C/F</b>
<b>C : 0.43</b>	<b>1150-900 C</b>	<b>880-900 C</b>	<b>1050 C</b>	<b>200 C</b>
<b>Cr : 13.76</b>	<b>2102-1652 F</b>	<b>1616-1652 F</b>	<b>1922 F</b>	<b>392 F</b>
<b>Mo : 0.27</b>		<b>Rupture Strength 68-78 MPA</b>	<b>58-60 Rockwell</b>	<b>54-56 Rockwell</b>

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