

## Injection Moulded Material Properties and Application Data

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<b>Material:</b>	austenitic stainless steel
<b>Grade:</b>	<b>AISI HK30</b> <b>similar to DIN X15CrNiSi2520, W.Nr. 1.4841</b>
<b>Nominal Composition, %:</b>	Cr 24-27 Ni 19-22 Si 1.25-1.75 Mn 0.8 max. C 0.2-0.5 Fe Rest

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<b>Typical properties</b>	<b>as sintered</b>
Density (g/cm <sup>3</sup> )	7.60
Hardness, HV1	>220
Elastic Modulus (GPa)	223
Elongation (%)	20
Tensile strength (MPa, N/mm <sup>2</sup> )	650-800
Yield strength (MPa, N/mm <sup>2</sup> )	230
Surface roughness	R <sub>a</sub> < 3.2

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### Uses, remarks

HK30 is a heat resistant austenitic stainless steel which is applied for components which work at high temperatures such as engine components and turbo charger components.