

HAYNES[®] 25 alloy

High-temperature Hardness

The following are results from standard vacuum furnace hot hardness tests. Values are given in originally measured DPH (Vickers) units and conversions to Rockwell C/BW scale in parentheses.

	Vickers Diamond Pyramid Hardness (Rockwell C/BW Hardness)									
	70°F (20°C)		800°F (425°C)		1000°F (540°C)		1200°F (650°C)		1400°F (760°C)	
Solution Treated	251	22 HRC	171	87 HRBW	160	83 HRBW	150	80 HRBW	134	74 HRBW
15% Cold-Work	348	35 HRC	254	23 HRC	234	97 HRBW	218	95 HRBW	-	-
20% Cold-Work	401	41 HRC	318	32 HRC	284	27 HRC	268	25 HRC	-	-
25% Cold-Work	482	48 HRC	318	32 HRC	200	30 HRC	286	28 HRC	-	-

HRC = Hardness Rockwell "C".

HRBW = Hardness Rockwell "B", Tungsten Indentor.

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