

HAYNES[®] HR-160[®] alloy

Carburization Resistance

Laboratory pack carburization testing in graphite at 1800°F (982°C) for 500 hours

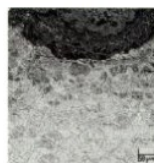
Alloy	Carbon Absorption	Total Depth Of Attack	
	(mg/cm ²)	mils	mm
HR-120 [®]	0.0	0	-
556 [®]	0.0	0	-
HR 160[®]	0.3	0	-
800HT	0.3	0.9	0.02
601	1.0	0.46	18.0
RA330	1.9	1.79	70.6
310SS	7.7	2.14	84.2
253 MA	11.6	2.34	92.1

Exposure to Carbon Bed at 1650°F (899°C)

Field tests conducted in a carbon bed during manufacturing of activated carbon at 1650°F (899°C) for 120 hours



HR-160[®] alloy



Type 316 SS

Ar-5%H-1%CH (Vol.%) 1800°F (982°C) for 55 hours

Alloy	Carbon Absorption (mg/cm)
HR-160[®]	2.9
601	3.2
800H	3.6
600	7.3
HR-120 [®]	7.9
556 [®]	7.9
RA330	9.2
253 MA	9.4
310 SS	10.0