

Grade CS-31™ Extruded Carbon

Since 1886, UCAR Carbon Company has been supplying quality carbon and graphite products, skilled technical service, and experienced application assistance worldwide.

Advanced Graphite Materials

Grade CS-31™ Extruded Carbon

UCAR® Grade CS-31 is an extruded petroleum coke based baked carbon grade.

Typical Applications

- Anodes for electrolytic processes
- Applications that require low thermal conductivity material

Sizes

Grade CS-31 Extruded: 3 – 30 x 72" diameter rounds
 15 x 30 x 72"
 17 x 17 x 72"
 17 x 17 x 88"
 19 x 19 x 72" rectangles
 24 x 24 x 72" rectangles

Typical Properties at Room Temperature

	<u>ENGLISH</u>	<u>WG</u>	<u>AG</u>	<u>METRIC</u>	<u>WG</u>	<u>AG</u>
Density	lbs/ft ³	101		g/cm ³	1.62	
Maximum Particle Size	inches	0.03		mm	0.76	
Specific Resistance	10 ⁻⁴ Ω in.	16.5	19.7	μΩm	42	50
Flexural Strength	psi	2300		kg/cm ²	160	
Tensile Strength	psi	1700		kg/cm ²	120	
Compressive Strength	psi	5585		kg/cm ²	390	
Thermal Conductivity	BTU-ft/hr ft ² °F	6		W/mK	10	
Ash Content	%	0.2		%	0.2	

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