

DUROCEL® 235

INERT BED SUPPORT TABULAR ALUMINA GRADE SPHERICAL

Typical Properties

Chemical	Al ₂ O ₃	99+ %
	SiO ₂	0.10%
	Fe ₂ O ₃	0.10%
	Na ₂ O	0.40%
Physical	Apparent Porosity	1.0% (maximum)
	Water Absorption	0.4% (maximum)
	Bulk Density	As indicated below
	Max. Operating Temp. – °F (°C)	3,270 (1,800)

Specifications by Size

Size (nominal) – inches (mm)	1/8 (3)	3/16 (5)	1/4 (6)	1/2 (13)	3/4 (19)	1.0 (25)
Size Range – mm	2 – 4	4 – 6	5 – 8	11 – 14	17 – 21	23 – 27
Bulk Density – lbs/ft ³ (kg/m ³)	133 (2,130)	133 (2,130)	133 (2,130)	131 (2,098)	130 (2,082)	126 (2,018)
Average Crush Strength – lbs (kg) (point load – minimum)	176 (80)	360 (165)	440 (200)	1,323 (600)	2,645 (1,200)	3,307 (1,500)

Availability	Shipping Point	Little Rock, AR / Washington, LA
	Packaging	25 kg (55.1 lb) sacks, 1 MT supersacks, steel drums available

Application Used as a catalyst and adsorbent bed support in refining, petrochemical and gas processing applications. Ideal in applications where chemical inertness, low porosity, low water absorption capacity and minimization of silica contamination are critical.

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