

**cSPHERE® A25 INERT BED SUPPORT**

Interra Global supplies ceramic balls, an inert bed support media that is recommended for applications where temperatures are kept low (325°C and below). This inert catalyst support is often used in adsorbent beds.

TYPICAL CHEMICAL COMPOSITION (wt%)	
SiO <sub>2</sub>	68 -73
Al <sub>2</sub> O <sub>3</sub>	23 - 30
SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub>	> 92
CaO	< 1.5
TiO <sub>2</sub>	< 0.5
MgO	≤ 0.76
K <sub>2</sub> O + Na <sub>2</sub> O	< 0.3
Leachable Iron	< 0.1
PHYSICAL PROPERTIES	
Shape	Spherical
Water Adsorption, wt%	< 3
Particle Density, lb/ft <sup>3</sup> (g/cc)	220 (3.5)
Bulk Density, (g/cm <sup>3</sup> )	1.3 - 2.0
Hardness, Mohs'	6.5
Maximum Use Temperature	1800°F (982°C)
CRUSH STRENGTH, N (kg)	
½" (3.2mm)	80 (36)
¼" (6.4mm)	180 (82)
½" (12.7mm)	500 (227)
⅝" (15.9mm)	610 (227)
¾" (19.0 mm)	1150 (522)
1" (25.4mm)	2000 (907)
1 ¼" (31.8mm)	> 2000 (907)
1 ½" (38.1mm)	> 2000 (907)
2" (50.88mm)	> 2000 (907)