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**Innovators Of Industrial Ceramic Products**

***T-99 PROX-SVERS<sup>®</sup> INERT CATALYST SUPPORT BALLS***

<b>TYPICAL CHEMICAL ANALYSIS (wt.%)</b>	<b>T-99-1</b>	<b>T-99-5</b>
Alumina, Al <sub>2</sub> O <sub>3</sub>	99.7	99.0
Silica, SiO <sub>2</sub>	0.02	0.20
Iron, Fe <sub>2</sub> O <sub>3</sub>	0.02	0.20
Soda, Na <sub>2</sub> O	< 0.20	< 0.20

<b>TYPICAL PHYSICAL PROPERTIES</b>	<b>T-99-1</b>	<b>T-99-5</b>
Shape	Spherical	Spherical
Avg Crush Strength, lbs (kg) 1/8" (3.2 mm)	300 (136)	150 (68)
1/4" (6.4 mm)	450 (204)	300 (136)
5/16" (7.9 mm)	450 (204)	300 (136)
1/2" (12.7 mm)	1950 (884)	1500 (680)
3/4" (19.0 mm)	3300 (1496)	2500 (1134)
1" (25.4 mm)	>5000 (2268)	>4000 (1814)
2" (50.8 mm)	>5000 (2268)	>5000 (2268)
Loose Fill Packing Density, lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	130 - 140 (2083 - 2243)	>120 (1923)
Apparent Particle Density, lbs/ft <sup>3</sup> (g/cc)	225 (3.6)	225 (3.6)
Apparent Porosity, Wt%	< 1%	< 5%
Maximum Use Temperature, °F (°C)	3272 (1800)	3272 (1800)
Attrition Loss, Wt%	< 0.5	< 0.5
Thermal Shock Resistance (heated to 1500 F and quenched in water)	Passed	Passed

Above data is based on control test results. Individual test results may vary, therefore this data may not be used for specifications.  
 Average crush strength values are actual pounds required by a press to break individual spheres.  
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