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**Innovators Of Industrial Ceramic Products**

***T-86 PROX-SVERS® INERT CATALYST SUPPORT BALLS***

TYPICAL CHEMICAL ANALYSIS (wt. %)	T-86
Alumina, Al <sub>2</sub> O <sub>3</sub>	18 – 21
Silica, SiO <sub>2</sub>	75 – 78
Calcium, CaO	< 1
Titania, TiO <sub>2</sub>	< 2
Alkalies, K <sub>2</sub> O + Na <sub>2</sub> O	1 – 3
Magnesia, MgO	< 1
Leachable Iron	< 0.001
Leachable Sulphur	None Detected
Leachable Chlorides	None Detected

TYPICAL PHYSICAL PROPERTIES	T-86
Shape	Spherical
Avg Crush Strength, lbs (kg)	1/8" (3.2 mm) 80 (36)
	1/4" (6.4 mm) 180 (82)
	1/2" (12.7 mm) 500 (227)
	3/4" (19.0 mm) 1150 (522)
	1" (25.4 mm) 2000 (907)
	1-1/4" (31.8 mm) >2000 (907)
	1-1/2" (38.1 mm) >3000 (1362)
	2" (50.8 mm) >3000 (1362)
Loose Fill Packing Density, lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	85 (1362)
Apparent Particle Density, lbs/ft <sup>3</sup> (g/cc)	143 (2.3)
Water Absorption, wt. %	< 1
Hardness, Mohs'	6.5
Maximum Use Temperature, °F (°C)	1800 (982)
Mean Specific Heat, BTU/ lb-°F	0.25
Thermal Shock Resistance (heated to 1500°F and quenched in water)	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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