

## T-46 PROX-SVERS® INERT CATALYST SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt.%)	T-46
Alumina, Al <sub>2</sub> O <sub>3</sub>	92-99
Silica, SiO <sub>2</sub>	0.3
Calcium, CaO	0-8
Titania, TiO <sub>2</sub>	< 0.1
Alkalies, K <sub>2</sub> O + Na <sub>2</sub> O	< 0.3
Magnesia, MgO	< 0.1
Leachable Iron	< 0.02
Leachable Sulphur	None Detected
Leachable Chlorides	< 0.001

TYPICAL PHYSICAL PROPERTIES	T-46				
Avg. Crush Strength, lb-f (kg-f) 1/8"	60 (27)				
1/4" (6.4 mm)	100 (45)				
1/2" (12.7 mm)	450 (204)				
3/4" (19.0 mm)	710 (322)				
1" (25.4 mm)	1150 (521)				
1-1/4" (31.8 mm)	1350 (612)				
1-1/2" (38.1 mm)	1800 (816)				
2" (50.8 mm)	>2000 (907)				
3" (76.2 mm)	>2000 (907)				
Loose Fill Packing Density*, lbs/ft <sup>3</sup> (kg/m <sup>3</sup> )	<table border="1"> <tr> <td>&gt;1/8", ≤1-1/4"</td> <td>≥ 1-1/2"</td> </tr> <tr> <td>88 – 93 (1410-1490)</td> <td>86-100 (1378-1602)</td> </tr> </table>	>1/8", ≤1-1/4"	≥ 1-1/2"	88 – 93 (1410-1490)	86-100 (1378-1602)
>1/8", ≤1-1/4"	≥ 1-1/2"				
88 – 93 (1410-1490)	86-100 (1378-1602)				
Apparent Particle Density, lbs/ft <sup>3</sup> (g/cc)	220 (3.5)				
Water Absorption, Wt. %	N/Av				
Hardness, Mohs'	N/Av				
Maximum Use Temperature, °F (°C)	3200 (1760)				
Thermal Shock Resistance	Passed				

\*Note: 1/8" (3 mm) diameter has a loose-fill density of approximately 130 lbs/ft<sup>3</sup> (2090 kg/m<sup>3</sup>)