

T-46 PROX-SVERS® INERT CATALYST SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt.%)	T-46
Alumina, Al ₂ O ₃	92-99
Silica, SiO ₂	0.3
Calcium, CaO	0-8
Titania, TiO ₂	< 0.1
Alkalies, K ₂ O + Na ₂ 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 ³ (kg/m ³)	<table border="1"> <tr> <td>>1/8", ≤1-1/4"</td> <td>≥ 1-1/2"</td> </tr> <tr> <td>88 – 93 (1410-1490)</td> <td>95 – 102 (1522-1634)</td> </tr> </table>	>1/8", ≤1-1/4"	≥ 1-1/2"	88 – 93 (1410-1490)	95 – 102 (1522-1634)
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88 – 93 (1410-1490)	95 – 102 (1522-1634)				
Apparent Particle Density, lbs/ft ³ (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/ft³ (2090 kg/m³)

The above data are based on controlled testing. Since individual test results may vary, these data may not be used for specification purposes. Average crush strength values are actual force required by a hydraulic press to break individual spheres. NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE MADE REGARDING THE DATA OR PRODUCTS SHOWN ABOVE.

Revised: February 23, 2010