

T-46 PROX-SVERS® INERT CATALYST SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt.%)	T-46
Alumina, Al ₂ O ₃	92-99
Silica, SiO ₂	0.2
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)	>1/8", ≤1-1/4"	≥ 1-1/2"
	88 – 93 (1410-1490)	86-100 (1378-1602)
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)