

PROX-SVERS® T-38 INERT CATALYST SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt.%)	T-38
Alumina, Al ₂ O ₃	31 - 38
Silica, SiO ₂	54 - 62
Calcium, CaO	< 1
Titania, TiO ₂	2
Alkalies, K ₂ O + Na ₂ O	1 - 3
Magnesia, MgO	< 1
Leachable Iron	< 0.001
Leachable Sulphur	None
Leachable Chlorides	None

TYPICAL PHYSICAL PROPERTIES	T-38
Avg. Crush Strength, lbs (kg) *1/16" (1.6 mm)	> 20 (9)
1/8" (3.2 mm)	135 (61)
1/4" (6.4 mm)	250 (113)
1/2" (12.7 mm)	550 (249)
3/4" (19.0 mm)	1200 (544)
1" (25.4 mm)	2200 (998)
1-1/4" (31.8 mm)	>3000 (1362)
1-1/2" (38.1 mm)	>3000 (1362)
2" (50.8 mm)	>3000 (1362)
Loose Fill Packing Density, lbs/ft ³ (kg/m ³)	82 - 87 (1314 - 1394)
Apparent Particle Density, lbs/ft ³ (g/cc)	150 (2.4)
Water Absorption, Wt. %	< 1
Hardness, Mohs	6.5
Maximum Use Temperature, °F (°C)	2500 (1370)
Thermal Shock Resistance	100% Intact
Hydrogen Pressure Shock	100% Intact

* T-38 1/16" has a modified chemistry of 25% Al₂O₃ and 70% SiO₂ and a maximum use temperature of 1800°F.

The above data are based on controlled testing. Individual test results may vary, therefore 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.
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