A World Leader in Industrial Ceramic Products

4641 McRee Avenue | Saint Louis, MO 63110 USA | P 314.773.7500 | F 314.773.8371 | www.christycatalytics.com

T-86 PROX-SVERS® INERT CATALYST SUPPORT BALLS

TYPICAL CHEMICAL ANALYSIS (wt. %)	T-86
Alumina, Al_2O_3	18 – 28
Silica, SiO_2	63-75
Al2O3 + SiO2	≥ 91%
Calcia, CaO	< 1
Titania, TiO_2	< 2
Alkalies, $K_2O + Na_2O$	1 – 4
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)
3/8" (9.5 mm)	410 (186)
1/2" (12.7 mm)	500 (227)
5/8" (15.9 mm)	610 (277)
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)	>2000 (907)
2" (50.8 mm)	>2000 (907)
Loose Fill Packing Density, lbs/ft^3 (kg/m^3)	80-90 (1281 - 1442)
Apparent Particle Density, lbs/ft^3 (g/cc)	143 (2.3)
Water Absorption, wt. %	≤0.9
Hardness, Mohs'	>8
Maximum Use Temperature, ° F (° C)	1832 (1000)
Mean Specific Heat, BTU/ lb-°F	0.25
UOP Pressure Shock Resistance	Passed
UOP Thermal Shock Resistance	Passed

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. **NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, ARE MADE REGARDING THE DATA OR PRODUCTS SHOWN ABOVE.**

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