

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 |
| Calcia, 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) | <1/2" 125-135 (2003-2163) |
| | > 1/2" 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)