

# Orano TN Packages and Overpacks



|   |                     | Maximum payload        | 3,620 lbs<br>1,642 kg | 30B-10 cylinder | 220.5 lbs<br>100 kg | 30B-20 cylinder | 360 lbs<br>163.3 kg | BU-D<br>USA/0412/AF-96 | VP-55<br>USA/9343/AF-96 | 2000 med<br>USA/0575/H(U)-96 | TNF-XI<br>USA/0653/AF-96 | OP-TU<br>USA/9288/B(U)F-96 | TN-BGC1<br>USA/0492/B(U)F-96 | UX-30 PSP<br>USA/9196/B(U)F-96 | DN30 PSP<br>USA/9362/B(U)F-96 | DN30-X PSP<br>USA/9388/AF-96 | TN-Eagle<br>USA/9382/B(U)F-96 | MP-197HB<br>USA/9302/B(U)F-96 | TN-RAM<br>USA/9233/B(U)F-96 | TN-LC<br>USA/9358/B(U)F-96 | Kevit Kougat<br>USA/0815/H(U)-96<br>USA/0815/H(M)-96 |     |
|---|---------------------|------------------------|-----------------------|-----------------|---------------------|-----------------|---------------------|------------------------|-------------------------|------------------------------|--------------------------|----------------------------|------------------------------|--------------------------------|-------------------------------|------------------------------|-------------------------------|-------------------------------|-----------------------------|----------------------------|--|-----|
| <b>Uranium Hexafluoride (UF<sub>6</sub>)</b>        | <b>Enrichments</b>  | Depleted               | ●                     | ●               |                     | ● 1.2           | ● 2                 |                        |                         |                              |                          |                            | ●                            | ●                              | ●                             |                              |                               |                               |                             |                            | ● 5  |     |
|   |                     | Natural                | ●                     | ●               |                     | ● 1.2           | ● 2                 |                        |                         |                              |                          |                            |                              | ●                              | ●                             | ●                            |                               |                               |                             |                            |  | ● 5 |
|   |                     | LEU: <5%               | ●                     | ●               |                     | ● 1.2           | ● 2                 |                        |                         |                              |                          |                            |                              | ●                              | ●                             | ●                            |                               |                               |                             |                            |  |     |
|   |                     | LEU+: 5% ≤ x <10%      | ●                     | ●               |                     | ● 1.2           |                     |                        |                         |                              |                          |                            |                              |                                |                               | ● 3.4                        |                               |                               |                             |                            |  |     |
|   |                     | HALEU: 10% ≤ x <20%    |                       | ●               |                     | ● 1.2           |                     |                        |                         |                              |                          |                            |                              |                                |                               | ● 4                          |                               |                               |                             |                            |  |     |
|   |                     | HEU: x ≥20%            |                       |                 |                     | ● 1.2           |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
| <b>Solid Unirradiated Uranium-Bearing Materials</b> | <b>Forms</b>        | Powder                 |                       |                 | ●                   | ●               |                     | ●                      | ●                       | ●                            |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | Pellets                |                       |                 | ●                   | ●               |                     | ●                      | ●                       | ●                            |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | TRISO                  |                       |                 |                     | ●               |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | Metal                  |                       |                 |                     | ●               |                     |                        |                         |                              |                          | ●                          |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | Assemblies (MTR/TRIGA) |                       |                 |                     |                 |                     |                        |                         |                              |                          | ●                          |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   | <b>Enrichments</b>  | LEU: <5%               |                       |                 | ●                   | ●               |                     | ●                      | ●                       | ●                            |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | LEU+: 5% ≤ x <10%      |                       |                 | ● 6                 | ●               |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
|   |                     | HALEU: 10% ≤ x <20%    |                       |                 |                     | ●               |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
| HEU: x ≥20%   |                     |                        |                       |                 | ●                   |                 |                     |                        |                         |                              |                          | ●                          |                              |                                |                               |                              |                               |                               |                             |                            |  |     |
| <b>Used Nuclear Fuel</b>                            | <b>Reactor Type</b> | Commercial             |                       |                 |                     |                 |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              | ●                             | ●                             |                             | ●                          |  |     |
|   |                     | Research Reactor       |                       |                 |                     |                 |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               |                             | ●                          |  |     |
| <b>Irradiated Components</b>                        | <b>Waste Form</b>   | Rad Waste Container    |                       |                 |                     |                 |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               | ●                             |                             |                            |  |     |
|   |                     | TN_RAM Liner           |                       |                 |                     |                 |                     |                        |                         |                              |                          |                            |                              |                                |                               |                              |                               |                               | ●                           |                            |  |     |

Notes:  
 1 - in 1S cylinders  
 2 - in 2S cylinders  
 3 - in 30B-10 cylinder  
 4 - in 30B-20 cylinder  
 5 - in 48G cylinder  
 6 - powder only



Check out Orano's family of packages