

BarrFlex® TU, LLC is an advanced material solutions company focused on the Oil and Gas industry.

In 2018, Barrday, Inc., a major player in the composite market, and Arkema announced the creation of a joint venture to manufacture and market carbon fiber and specialty polymer tapes for the growing oil and gas industrial market. The new venture supplies the most efficient thermoplastic composite solutions to the various players in the industry. The tapes will deliver substantial improvements in terms of weight reduction (replacement of metal) and corrosion resistance for the flexible pipes used in the deep offshore as well as onshore operations of tomorrow.

The complementary offerings of Barrday (proven experience in thermoplastic composite manufacture) and of Arkema's range of specialty polymers and resins (PVDF Kynar®, PEKK Kepstan®, polyamide and other resins) will enable BarrFlex® TU to fully capitalize on the growth of the oil and gas market by marketing a new comprehensive and integrated range of solutions. BarrFlex® TU will be focused on satisfying customer composite tape requirements using any resin, fiber and the development of product and process technology.

BarrFlex's objective is to provide high quality, high performance products that satisfy all customers' expectations through continuous improvement for delivery, form, function and reliability.

These products are produced in safe and environmentally friendly facilities that have concern for our customers, employees and the community. All facilities are ISO 9001 and AS 9100 certified.



At BarrFlex, we are committed to applying our array of advanced composite materials, and creative energy to provide our customers with products and services of consistently high quality and value. We have developed Thermoplastic Tape expertise and performance differentiation in the following product families.

BarrFlex® TU, LLC Contacts

Dimitri Bozicas
+33 6 29 97 18 36
dbozicas@barrday.com

Olivier Merle
+33 6 22 13 72 73
olivier.merle@arkema.com

Facilities:

86 Providence Rd.
Millbury MA USA 01527

| PRODUCT FAMILY | FIBER REINFORCEMENT | BENEFITS |
|-----------------------|--------------------------------------|---|
| TU100 (PPS) | Carbon Aramid Ceramic Glass | High temperature semi-crystalline polymer with very low moisture absorption and excellent chemical/solvent resistance. Tg of 200°F (95 °C). |
| TU200 (PEEK) | | Very high temperature semi-crystalline polymer with good combination of toughness, solvent resistance, low moisture absorption and compression. Tg of 289 °F (143°C). |
| TU300 (PEKK) | | Very high temperature semi-crystalline polymer with good combination of toughness, solvent resistance, low moisture absorption and compression. Fast and strong laser welding consolidation. Tg of 289 °F (143 °C). |
| TU400 (PEI) | | High temperature and tough amorphous polymer. |
| TU700/TU800 (PA11/12) | | Low temperature and tough polymers with good chemical and solvent resistance. |
| TU1100 (PVDF) | | Semi-crystalline polymer with excellent combination of strength, toughness, chemical and solvent resistance. |