



Performance | Sustainability | Technical Excellence | Commercial Scale

BT22LP

Biosynthetic Technologies' BT22LP is a product designed to respond to the market's need for a base oil to perform in extreme cold. BT22LP is a low pour point version of our BT22 estolide and is designed to provide optimal performance below -40°C. Offering the same performance characteristics and sustainability profile of our BT22, the BT22LP allows formulators to create unique products that perform at a level where many products fail.

Product Performance Benefits

- High thermal stability
- Oxidatively stable
- Biodegradable
- Sustainable
- Bio-based
- Non-toxic

Typical Properties

Property	Method	Units	Result
Kinematic Viscosity, 100°C	ASTM D445	cSt	22
Kinematic Viscosity, 40°C	ASTM D445	cSt	140
Viscosity Index	ASTM D2270	-	185
Pour Point	ASTM D97	°C	-42
Flash Point (Open Cup)	ASTM D92	°C	270
Total Acid Number	ASTM D664	mg KOH/g	0.3
Gardner Color	ASTM D1544	-	5
Water	ASTM D6304	ppm	500
Specific Gravity	ASTM D5355	-	0.93
Biodegradability	OECD 301B	%	84%
Bio-Based Carbon	ASTM D6866	%	99%

Applications

- Gear oil
- Hydraulic fluids
- Metalworking fluids
- TO4 fluids
- Grease
- Industrial lubricants