

TECHNICAL DATA SHEET

INTRODUCTION:

Fischer-Tropsch (FT) wax is a synthetic wax produced by the polymerization of carbon monoxide under high pressure, a technology used in the emerging natural Gas to Liquid (GTL) projects. The hydrocarbon product of FT reaction is distilled to separate the mix into fuels products and waxes with melting points ranging from about 45 - 106°C.

	FT 60
Properties	Standard
Melting Point °c	68-70
Freezing Point °c	61-63
Color Saybolt	≥20
Penetration 1/10 mm	14-16
Oil Content % (m/m)	1-3
Appearance	White Pellets

Here are some common applications of Fischer Tropsch Wax:

Candles: FT Wax is often used to make high quality candles. It burns cleaner than traditional wax and produces very little soot. The wax also has a high melting point.

Coatings: The Wax can be used as a coating or sealer for various materials. It provides water resistance & UV protection. Common uses include coating paper, cardboard, wood etc.

Adhesives and sealants: FT Wax functions well as an adhesive or sealant due to its low viscosity when molten. It is used to bond material together or seal joints.

Plastic and Rubber: As a modifier, FT Wax improves the properties of the plastic, rubber and other polymers. It increases flexibility, lowers production costs and more.

Cosmetics and personal care: The wax is used as an emollient in products like lipsticks, lotions, creams and more. It provides a smooth texture.

Printing inks: FT wax improves the properties of printing inks, making them less brittle while maintaining other qualities.

Lubricants and greases: Its low viscosity makes it suitable for use in lubricating greases, industrial lubricants, metalworking fluids and more.