

## 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.

PROPERTIES	FT WAX #LA-W95		
	UNIT	DATA	TEST METHOD
Appearance	White Powder/Pellet		
Viscosity(@140°C)	CPS	MAX 100	BROOKFIELD
Softening Point	°C	103±5	ASTM
Density	g/cm <sup>3</sup>	0.92	ASTM
Penetration(@25°C )	d-mm	8	ASTM
TG	%	2	CONSTANT TEMPERATURE
Particle Size	%	99	20 MESH THROUGH

### ADVANTAGE:

High Whiteness

Very Low Fe Content and

High Stability

PROPERTIES	FT WAX #90 YITAI			
	UNIT	DATA	STANDARD	TEST METHOD
Appearance	off White Powder/Pellet			
Softening Point	°C	95	≥80	ASTM
Penetration(@25°C )	d-mm	8.3	< 23	ASTM
Fe Content	mg/Kg	3	≤10	ASTM
Oil Content	%	1.3	≤30	ASTM

### ADVANTAGE:

Low melting point

Low Fe Content

Good Stability and appearance(color)

PROPERTIES	FT WAX #90 ShenHua Ning Mei			
	UNIT	DATA	STANDARD	TEST METHOD
Appearance	white or off yellow Powder/Pellet			
Softening Point	°C	103	≥80	ASTM
Penetration(@25°C )	d-mm	8.7	< 23	ASTM
Fe Content	mg/Kg	7	≤10	ASTM
Oil Content	%	1.33	≤5	ASTM

**ADVANTAGE:**

High melting point

Low oil content

**APPLICATION:**

NOVO® FT WAX	Yitai 90	Shenhua 90	LA-W 95
Masterbatch/色母粒	*	*	**
PVC articles	*	*	**
PVC compound agents	*	*	**
Powder coating	*	*	**
Hot Melt Adhesive/热熔胶	*	*	**

\* suitable      \*\* recommend

Fischer-Tropsch wax can be used in plastics processing such as injection molding, extrusion and pelleting. FT wax contributes to the dispersion and excellent slip properties of the filler during compounding of masterbatch and modified plastics. FT wax can be used as PVC external lubricant, low viscosity can improve the processing speed , contribute to the dispersion of pigment fillers, especially in high viscosity system extrusion ,it has better application than the ordinary PE wax with 40 - 50% less dosage and can significantly improve the surface gloss . The FT wax can melt the dye effectively and reduces the extrude viscosity when using in a high concentrated color masterbatch.

**PACKAGE:** 25KG/BAG

**SAFETY INSTRUCTIONS:** Please refer to SDS for more information

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