

Product Denomination: **WOP YARN OIL**
Issue Version: 13.03.2006

WOP YARN OIL products are developed to be used at the production of propylene and polyethylene based Big-Bag and Column Production. It has Food Codex Report that is a requirement for all raw materials to be used, especially at the production of food packaging bags (flour, sugar, rice etc.) (Ministry of Health, Hygiene Institute, B.10.1.RSH.0.00.09-06/2159).

These products are used for thread lubrications, tambour lubrication and for the lubrication of sewing machines. They provide perfect lubrication, furthermore they do not cause any stain either at the threads or bags.

Test	method	Typical Values
Appearance	ASTM D 4176/1	C&B
Odor		NIL
Saybolt Color	ASTM D 156	+30
Specific gravity (15 C) kg/m ³	ASTM D 1298	820 - 865
Viscosity at 40 °C (cSt)	ASTM D 445	15-16,8
Viscosity at 100 °C (cSt)	ASTM D 445	typical 3,4
Viscosity (mPa.s)	Ph.Eur	25-80
Flash point COC - °C	ASTM D 92	min 180
Pour Point °C	ASTM D 97	max -12
Neut. Number mg KOH/g	ASTM D 974	max. 0,01
Total Sulphure - ppm	ASTM D 2622	max. 10
Refractive index @ 20 °C	ASTM D 1218	1,4580-1,4780
Polycyclic Aromatic Hydrocarbon	Pharmacopoeias	pass
Readily carbonizable substances	Pharmacopoeias	pass
Solid Paraffins	Pharmacopoeias	pass
Acidity or alcalinity	Pharmacopoeias	pass
FDA 21 CFR 172.878	FDA	conform
FDA 21 CFR 178.3620(a)	FDA	conform
FDA 21 CFR 178.3570	FDA	conform