



**WITPLAST<sup>TM</sup>**  
REDEFINING THE CHEMISTRY OF PLASTICIZERS



### Milestone and Business Journey of Witmans Group

2018	Collaborated with Lubritalia SpA Italy for Speciality Metal Working Lubricants.
2017	Developed import substitute Low Temperature & Speciality Range of Plasticizers.
2016	Developed new range of premium metalworking fluids Water Soluble & Synthetic grades.
2014	Developed & Introduced Bio Degradable – REACH Compliant , Low PCA Rubber Process Oils.
2008	Addition of Spin Finish Oils for Multi Filament Yarns & Fibers.
2007	Established our first overseas blending plant in UAE.
2004	New add-on of group company namely – Ester Lub Technologies for manufacturing of Fatty Acid & Synthetic Esters.
2002	Began Exports of Antistatic Conning Oils & Textile Lubricants.
2001	Conversion of Conning Oil unit into Manufacturing of Industrial Paints and coating at Wada Plant.
1997	Expanded to second manufacturing unit at Daman (Union Territory) near Mumbai – India.
1995	Setup our first manufacturing unit for Coning Oils at Wada Near Mumbai, India.
1989	Established our Business Journey as trading company for industrial lubricants Rubber Process Oils & Sugar Lubes segment in Mumbai



**WITMANS INDUSTRIES PVT. LTD.<sup>®</sup>**

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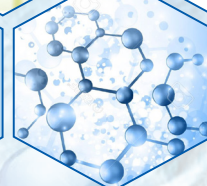
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**Speciality  
Plasticizers for  
Low Temperature  
Flexibility & High  
Temperature Stability**

### PLASTICIZERS



**Speciality  
Plasticizers**

**Phthalate  
Free Plasticizers**



**WITMANS INDUSTRIES PVT. LTD.<sup>®</sup>**  
*Lubricating The Growth*



# WITPLAST<sup>TM</sup>

## Speciality Plasticizers for Rubber & Polymer Applications

- Low Temperature Flexibility and High Temperature Stability
- Speciality Plasticizers
- Phthalate Free

# WITPLAST<sup>TM</sup>

## REDEFINING THE CHEMISTRY OF PLASTICIZERS



### WITMANS SPECIALITY PLASTICIZERS

		Specific Properties-(Unit)	Appearance	Color-(Gardner No)	Viscosity-(Cst) @ 25°C	Density-(Grams/cc) @ 25°C	Refractive Index (Number)	Flash Point (°C)	Pour Point (°C)	Acidity as Acid (Max) (wt%)	Compatibility	Application
		Test Method	Visual	ASTM D-1544	ASTM D-445	ASTM D-445	ASTM D-1218-12	ASTM D-92	ASTM D-97	ASTM D-1045-86		
Types	Grades	Speciality										
Speciality Plasticizers for Low Temperature Flexibility and High Temperature Stability	WITPLAST ES-950	It is a Pthalate free <b>REAch compliant</b> plasticizer. Low temperature flexibility to Elastomers. Low volatility.	Clear	1.0 Max	21 ± 04	1.01 ± 0.01	1.4430 - 1.4470	150 Min	-50	0.01 Max	Nitrile rubbers, very high nitrile, Urethanes, polyacrylates and epichlorohydrin rubbers, & vinyl resin formulations.	Automotive moulded parts, Fuel hoses, Garden hose, gaskets, Grommets, Automotive and Industrial hoses and tubing, PVC wires and cable.
	WITPLAST ETS-970	It is a special Pthalate free <b>REACH compliant</b> plasticizer. Improved low temperature properties. Low volatility and high heat aging stability. Providing excellent plasticization at elevated working temperature as well.	Clear	0.5 Max	20 ± 04	1.02 ± 0.01	1.4330 - 1.4371	195 Min	-60	0.02 Max	Nitrile rubbers, very high Nitrile, Urethanes, Polyacrylates and Epichlorohydrin rubbers, & Vinyl resin formulations.	Automotive moulded parts, Fuel hoses, Garden hose, Gaskets, Grommets, Hose and Tubing, Industrial hose & tubing, PVC wire and cable.
	WITPLAST ETS-181	It is a special Pthalate free <b>REAch compliant</b> plasticizer for rubbers, PVC and other polymers with good low temperature properties and excellent high heat aging stability.	Clear	0.5 Max	40 ± 12	1.05 ± 0.02	1.44-1.46	210 Min	-50	1.5 Max	Nitrile Rubber, Natural Rubber, Butyl SBR, Chloroprene Rubber, ECO & EPDM.	Automotive moulded parts, Fuel hoses, Garden hose, Gaskets, Grommets, Hose and Tubing, Industrial hose & tubing.
	WITPLAST ET-900	It is a Pthalate free <b>REAch compliant</b> plasticizer. Low temperature flexibility to Elastomers.	Clear	1.0 Max	09 ± 02	0.965 ± 0.01	1.4310 – 1.4380	150 Min	-50	0.1 Max	Natural Rubber, SBR, Chloroprene, Nitrile and Epichlorohydrin.	Fuel hose, Wire jacketing, Cellular rubber goods, Friction compounds and wide variety of moulded and extruded products.
Speciality Plasticizers	WITPLAST DB-300	It is a phthalate free <b>REACH compliant</b> plasticizer. Highly solvating plasticizer and decreases processing time with lower processing temperatures. It improves dispersion of fillers and thus product surface finish. Excellent fuel and Chemical resistance along with resistant to extraction from the vinyl by aliphatic and oily solvents.	Clear	0.5 Max	68 ± 05	1.17 ± 0.01	1.543±0.005	195 Min	-28	0.35 Max	Nitrile blends/PVC, NBR, CR and CSM, PVC, EVA, SBR, EC (Ethyl Cellulose), CN (Nitro Cellulose), Cellulose Acetate Butyrate (CAB), PU and PMMA in varying percentages.	Footwear, Adhesives, Window seal & tapes, PVC profiles, pipes, heat shrinkable film, Non-woven fabrics etc.
	WITPLAST DB-400	It is Pthalate free <b>REACH compliant</b> high solvating plasticizer. Designed for high performance application in polyvinyl acetate and water-based adhesive systems, In adhesives, it displays excellent wet tack, set times and open times and also improves adhesion in acrylic latex caulks.	Clear	0.5 Max	72 ± 05	1.16 ± 0.01	1.540±0.005	195 Min	- 30 ±2	0.05 Max	Compatible with PVC, PVA, NBR, CR, CSM, EVA, SBR, Ethyl Cellulose, Nitro Cellulose, Cellulose Acetate Butyrate (CAB), PU and PMMA.	PVC Footwear, PVC flooring, Adhesives, Window seal & tapes. PVC profiles, pipes, heat shrinkable film, Non-woven fabrics etc.
Phthalate Free Plasticizers	WITPLAST ES-168	It is Phthalates free <b>REACH compliant plasticizer as a substitute to DOP</b> . Low volatile and excellent low temperature flexibility. <b>Good mechanical properties. Resistance to extraction by soapy water.</b>	Clear	0.5 Max	69 ± 03	0.985	1.49	205 Min	-52	0.1 Max	PVC, PVA, Chloroethylene, Polystyrene nitrocellulose, ethyl cellulose and <b>synthetic rubber products</b>	Application in Cable, Coating,Leatherette, Calendaring & Sheetting materials, Extrusion compound, Water pipes and Plastic film packaging.
	WITPLAST ES-940	It is Phthalates free <b>REACH compliant plasticizer. Exceptional low temperature flexibility and good heat stability. Good electrical properties</b> , Good resistance to environment.	Clear	0.5 Max	14 ± 01	0.923	1.44	205 Min	-67	0.1 Max	PVC, Nitrocellulose, Ethyl cellulose, High-butyryl cellulose acetate butyrates.	Cold-Resistant agricultural plastic film packing membrane, Cable, Coating, Leatherette, Calendaring sheetting materials and Extrusion compound..
	WITPLAST AE-500	It is Phthalates free REACH compliant plasticizer. Has excellent compatibility with NR, SBR, PBR , provides good Carbon Black dispersion	Opaque	Dark Brown	@ 100°C 14+/-3	0.950 ± 0.05	NA	220 Min	+30	0.2 Max	Suitable for NR, SBR, PBR	Automotive Tyres, Tread Rubber, Reclaim, Tubes, Mats etc.