



VELVEX Rubber process oils are used as processing aid in manufacturing of rubber products.

Rubber process oils functions as a plasticizer, improving the process ability and filter incorporation, or as extender. Based upon the finished product, we shall recommend the choice of oil from our extensive range of products.

- To improve process ability of rubber and rubber compounds as process aids
- To increase the bulk of rubber (Oil extender rubbers) in order to low cost.

- Improves efficiency & productivity
- Lowers energy consumption
- Reducing production and improving product family



Oil Type	Rubbers						
	NR	SBR	BR	NBR	CR	EPDM	IIR
Paraffinic	+	+	+	-	-	+	+
Naphthenic	+	+	+	0	0	+	0
Aromatic	+	+	+	+	+	0	-

+ compatible 0 partiallycompatible - incompatible

- Key Functions of process AID
- Reduce Viscosity
- Reduce elasticity
- Aid dispersion of filters
- Reduce power consumption

- Non Toxic
- Does not affect intended properties of final product

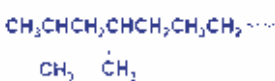
The Mechanism of processing aid working can be done either by lowering the molecular weight of polymer or by lowering of intermolecular interactions. Our oils works on later principle since the final properties are unaffected as molecular weight is kept constant.

Efficiency of physical process aids depends upon degree of miscibility with polymer or solubility in polymers. The higher the miscibility and solubility, it will be more effective in reducing viscosity and small amount of it will be required. In this way, our Oils exhibits tremendous solubility properties

Delivered typically in HDPE or MS drums, tank – trucks, flexi – tank , ISO tanks on FOB,CIF,DDU, DDP & other customer required terms.,



- Obtained from petroleum (crude oil), after the more volatile petrol and heating oil fractions have been separated through distillations.
- Process oil are mixtures of paraffin, naphthalene and other aromatic compounds of varies molecular weight distribution

$$\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2 \sim \dots$$


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Manufacturing Plants

NPL has three manufacturing plants for Lube Oil Blending, Transformer Oil, Liquid Paraffin/White Oil refining, Rubber Processing Oil and Grease manufacturing with a Total capacity of 1,02,000 MT.

Our plants are ISO 9001 & 140001 certified with international standard state of art infrastructure with in-house LAB | R&D facilities.

Plot No. J-26, MIDC, Taloja



Plot No. J-34, MIDC, Taloja



Plot No.96/1, Falandi, Silvassa

Plot No. J-26, MIDC, Taloja



Nandan Petrochem Limited

Company Overview

Nandan Petrochem Ltd (NPL) was founded in the year 1992 with the objective of manufacturing and marketing Automotive & Industrial Lubricating Oils, Greases, Specialty Products, etc. NPL started its operations with contract blending & filling for Public Sector undertakings (PSUs). NPL assisted top notch Multi-National Companies (MNCs) to roll out their international brands by providing them NPL's state of the art Lube Oil Blending Plants as per Global Standards. By virtue of Technical Collaboration Agreement with Meguin GmbH, Germany and being the oldest and largest contract manufacturer in the country, NPL has access to the latest technology in Oils and Greases. Over the years, NPL has developed an expertise for manufacturing tailor made Genuine Lubricating Oils and Greases for major OEMs in India.

Now NPL has ventured into manufacturing of Transformer oils, White oils, Rubber process oils, Industrial oils & other specialties extending its portfolio to cater complete lubrication solutions.

Vision

"To be a leading manufacturer of Genuine Oils, Greases & Specialty Oils with a significant Pan India presence in the Lubricating Oil Market, continuously driven by innovation to enhance stakeholder value and growth opportunities for employees."

Mission

"To Always provide quality products and services to its customers at the right price and at the right time through an efficient system."



**German Technology
Lubricants!**



**VELVEX
RUBBER
PROCESS
OILS**



Nandan Petrochem Limited



Nandan Impex Pvt Ltd



NutraHelix Biotech Pvt Ltd



NPL BlueSky Automotive

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