PRODUCT DATA SHEET **NANDAN PETROCHEM LTD**

VELVEX RUBBER PROCESS OIL

Description : VELVEX Rubber process oils are obtained from petroleum (crude oil), after the more volatile petrol and heating oil fractions have been separated through distillations.
Aromatic Process oils - Exhibit low volatility with higher solvency & viscosity for improved productivity & safety standards

Packaging Option : Velvex Rubber process oils are offered in HDPE & MS drums, also in bulk flexi bags or ISO tanks

Specific Requirements: Custom viscosity ranges, density, added additives etc shall be made on specific request.

	Test Description	**Testing Method**	**Specification Limits**
		(ASTM)	**Velvex AR 30**
Typical Properties	Appearance	Visual	**Green Viscous liquid**
	Colour	D1500	**----**
	Density @ 15.6 ^{0}C, g/ml	D1298	**0.98 – 1.02**
	Kin. Viscosity @ 100 ^{0}C, cSt	D 445	**25 - 30**
	Aniline Point °C	D 611	**35 – 45**
	Flash Point ^{0}C (min)	D 92	**215**
	Pour Point, ^{0}C	D 97	**18**
	VGC	D 2501	**0.916**
	Volatility, 5 hrs @ 175°C, %		**< 1**
	Sulphur %, Max	D 129	**5**
	Carbon Type Analysis, %	IR method	
	C_P	IS 13155 – 1991	**14-20**
	C_N		**21-25**
	C_A		**65-55**
Regulatory Compliance Information	Polycyclic-aromatic hydrocarbons (PAH) Compliance (According to REACH[1] Annex XVII, entry 50)	Test Method: standard EN 16143:2013	**Benzo[a]pyrene (BaP) CAS No 50-32-8 < 1 ppm & <10 ppm (sum of all PAHs)**
			x
	Conforms to REGULATION (EC) No 1907/2006 (REACH)[1]	-	**x**
	SVHC Compliance (accordance with Article 59(10) of the REACH)	-	**x**
	Note L[2] applies (accordance with Part 1.1.3.1. of Annex VI of REGULATION (EC) No 1272/2008 (CLP)	Test Method: IP 346	**x**

[1]Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

The Above date is indicative of recent average values only. Minor variations which do not affect product performance quality may be expected in manufacture.
For Health & safety instructions: Refer MSDS