

RUBBER PROCESS OIL PRODUCT DATA SHEET

Aromatic and Naphthenic Rubber Oils

Typical Properties

Test Description	Test Method (ASTM)	Specification Limits					
		Aromatic Oil	RAE Oil	Naphthenic Oil			
		Velvex AR 30	Velvex 600	Velvex NA385	Velvex NA25	Velvex NA100	
Appearance	Visual	Green Viscous liquid	Bright & Clear	Bright & Clear			
Colour	D1500	---	---	3.5 Max	5 Max	5 Max	
Density @ 15.6 °C, g/ml	D1298	0.98 1.0	0.98	0.9	0.88	0.88	
Kin. Viscosity @ 40 °C, cSt	D 445	---	---	350 –400	18 – 25	100 –125	
Kin. Viscosity @ 100 °C, cSt	D 445	25 – 30	30 – 70	---	---	---	
Aniline Point °C	D 611	35 – 45	60 – 90	90 – 100	78-85	80-95	
Flash Point °C, min	D 92	215	235	245	160	210	
Pour Point, °C, max	D 97	18	15	-9	-15	-15	
VGC	D 2501	0.916	0.916	0.916	0.84	0.84	
Volatility, 5 hrs @ 175°C, %		< 1	< 1	< 1	< 1	< 1	
Sulphur %, Max	D 129	5	4	3	< 1	< 1	
Carbon Type Analysis, %	IR method IS 13155 – 1991						
C _P		14-20	35-40	50 – 55	35 – 45	35 – 45	
C _N		21-25	25-30	30 – 35	45 – 30	45 – 30	
C _A		65-55	40-30	20 – 10	20 – 25	20 – 25	
Regulatory Compliance Information	Polycyclic-aromatic hydrocarbons (PAH) Compliance (According to REACH1 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 L2 applies (accordance with Part 1.1.3.1. of Annex VI of REGULATION (EC) No 1272/2008 (CLP)	Test Method: IP 346	X	✓	✓	✓	✓	

Nandan Petrochem Limited as formulator has appointed an Only Representative under the REACH regulation.

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 instruction : Refer MSDS

REACH registration details: All products are Reach registered (Except VELVEX AR – Shall be replaced by Low PCA/PAH oils complying to REACH)