



## SUNOCO Sunthene range

**Description** SUNTHENE oils are manufactured from select wax-free naphthenic crudes to provide optimum colour and colour stability while still maintaining good compatibility and processing characteristics. This is achieved by selective refining to remove colour-producing impurities without appreciably changing the aromatic content of the naphthenic oil. Such selective refining imparts low U.V. absorptivity and, more importantly, relatively low polar content. As a result, the SUNTHENE oils find wide application in rubber goods where excellent colour and colour stability are required.

**Application** The SUNTHENE oils combine excellent colour and colour stability with relatively high aromatic content for good compatibility and processing characteristics. As such, they find applications in rubber compounding with EPDM, SBR, polyisoprene, neoprene or butyl rubbers. The excellent balance between colour stability and aromatic content also makes them desirable for non-rubber uses such as resin extending, PVC textile, and sealing compounds among others.

**Properties** Low pour points, and excellent colour and colour stability, good solvency, and additive acceptance. Special hydrogenation process affords high quality and low odour levels.

### Typical analysis :

	410	420	450	4240
Density at 15°C	0.901	0.909	0.915	0.922
Viscosity at 40°C / cSt	20.8	41.0	95.0	374
Viscosity at 100°C / cSt	3.6	5.5	8.0	19.9
Flash point °C	165	175	202	277
Pour point °C	-42	-30	-27	-9
Aniline point °C	72	76	83	99
Refractive index 20-D	1.492	1.507	1.500	1.508
Refractive intercept	1.042	1.043	1.043	1.048
Colour	L0.5	1.0	L1.5	2.5
VGC	0.860	0.870	0.857	0.848
Carbon type composition:				
- C <sub>A</sub> %	10	10	10	10
- C <sub>N</sub> %	44	43	42	40
- C <sub>P</sub> %	46	47	48	50

All technical data is provided for reference only.

07 - 2010