Chevron Oronite

PARATONE 8900E

Viscosity Modifier

Application, Product Summary & Benefits

PARATONE® 8900E is a solid ethylene-propylene copolymer available in pellet form. This polymer is principally designed for use in the formulation of multigrade crankcase oils, power transmission fluids and industrial oils. When dissolved in suitable basestocks, it produces a viscosity index improver with excellent shear stability and robust low temperature properties. The table in the dosage section indicates the approximate concentrations of PARATONE® 8900E needed to prepare typical multigrade oils.

Dosage

Lubricant Viscosity Grade	PARATONE 8900E mass %
5W-30	0.7 - 1.0
10W-30	0.5 - 0.8
10W-40	1.2 - 1.5
15W-40	0.7 - 1.0
15W-50	1.3 - 1.6
20W-40	0.2 - 0.5
20W-50	0.6 - 1.0

All oils contain 12% of a typical commercial Chevron Oronite automotive engine oil additive and are blended in standard solvent refined basestocks, using addition of unconventional basestock where required. Treat rates will vary depending on the oil properties desired and on the specific additives and basestocks used, and lower treat rates are possible under different circumstances. The treat rates above are given as typical examples only. Contact your Chevron Oronite representative for more precise treat rate indications for specific applications.

Typical Properties

Physicals for PARATONE 8900E

Density, g/cm³ (kg/l) at 15°C (ASTM D 4052)	0.86
Shear Stability Index, %	24

Shear Stability Index determined on 1.5 mass % blend of PARATONE® 8900E in reference oil of viscosity 6.1 mm2/s at 100°C using ASTM D6278 or equivalent method.

Handling

Please refer to the corresponding material safety data sheet for handling and blending precautions and maximum recommended temperatures.

The data presented in this bulletin are believed to be accurate; however, Chevron Oronite Company LLC shall not be liable for its content and make no warranty with respect thereto.

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PARATONE® 8900E pellets are packaged in 25 kg (55.1 lb) bags, with 21 bags stacked in 3-cell cardboard boxes (net weight of pellets: 525 kg per pellet). Box stacking: 2-high max.

The maximum storage temperature is 40°C, but the recommended storage temperature is ambient. **PARATONE® 8900E** should be stored in a covered, dry environment out of direct sunlight.

Polymer shelf life is 2 years.

Dissolving is carried out between 120°C (248°F) and 130°C (266°F) with vigorous agitation. Pellets may partially agglomerate during storage and this should be taken into consideration in the design of dissolving equipment and procedures.

Additional manufacturing procedures, equipment requirements and other information required for high quality dissolving operations are available upon request.

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