PARALUX PREMIUM PROCESS OILS

Compared to other process oils, Chevron's Paralux has exceptional oxidation stability, lower volatility for a given viscosity grade and excellent initial color that does not discolor after UV and/or heat exposure. The superior performance has been proven in a wide variety of applications.

In addition to having exceptional performance properties, Chevron's Paralux oils are easy to work with. They have excellent compatibility with rubber polymers requiring paraffinic oils and are commonly used as processing aids or extender oils in rubber compounding. Paralux oils reduce the amount of time required for mixing, minimize the amount of heat generated, and maximize the dispersion of components.

EXTEND PRODUCT VOLUME

In addition, Paralux oils extend product volume while maintaining the physical properties of the rubber compound so total product cost is reduced. Given the color stability, these oils are highly recommended for applications where discoloration, staining or sludging must be minimized.

Chevron Paralux has lower volatility for a given viscosity grade than other process oils, reducing weight loss and emissions during processing. In the final product, Paralux reduces fogging and enhances flexibility retention. The combination of excellent initial color, color stability and low volatility routinely allows for cost-effective substitution of our process oils for food-grade white oils in non-food-grade applications.

MAINTAIN COLOR STABILITY

Paralux paraffinic process oils are produced using Chevron's modern all-hydroprocessing technology. All-hydroprocessing substantially lowers the aromatic content of the oil and transforms undesirable aromatics into highly desirable saturates. The result is a pure, water-white process oil with exceptional physical and chemical properties, which translate to excellent color stability and very low volatility.

LOWER PRODUCTION COSTS

For any given volatility level, the viscosity of Paralux process oils is typically lower than that of a solvent-refined process oil. So, when Paralux is used in processing, less make-up oil is needed, throughput is increased, manufacturing costs are lowered and product quality is improved.

For information on the benefits of manufacturing with Paralux premium process oils, contact us.

Applications that benefit from Chevron premium process oils:

- Footwear
- Agricultural spray
- Furniture polish
- Textiles
- Wire and cable insulation
- Adhesives, sealants and coatings
- Polymer modified asphalts
- Automobile interior moldings
- Automotive under-hood parts
- Insulation
- Gels
- Dielectric fluids
- Drilling fluids
- Carpet underlayment
- Heat transfer fluids
- Foam
- Household products
- Roofing compounds
- Rubber membranes
- Weather stripping

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) registered for EU and UK

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PARALUX WILL CHANGE THE WAY YOU LOOK AT PARAFFINIC PROCESS OILS

Typical Properties	701	1001	2401	6001
Viscosity at 100F,SUS	70	104	224	527
Viscosity at 210F,SUS	36	40	48	68
Viscosity at 40 C,cst	12.1	19.7	43.3	101.4
Viscosity at 100 C,cst	2.9	4.1	6.5	12
API Gravity, 60F	34.8	34.1	31.8	31.5
Specific gravity	0.8509	0.8545	0.8665	0.8681
Weight, lb/gal	7.09	7.12	7.21	7.23
Viscosity Gravity Constant	0.8112	0.8054	0.8053	0.7919
Molecular Weight	318	397	438	580
Pour Point, F	-34	-12	-12	-12
Saybolt Color	+25	+25	+25	+25
UV absorptivity @ 260 nm	<0.0001	<0.0001	0.0019	0.003
Volatility - Mass% @ 225F	2.33	0.52	0.09	0.01
Flash Point, COC, F	358	415	446	518
Sulfur ppm	<6	<6	<6	<6
Aniline Point, F	208	224	237	254

Chemical Properties	701	1001	2401	6001
Clay-Gel Mass%				
Asphaltenes	0	0	0	0
Polar Compounds	0.1	0.1	0.1	0.1
Aromatics	0.3	0.5	1.3	3.1
Saturates	99.6	99.4	98.6	96.8
Carbon type by ndM %				
Ca	0	0	0	0
Cn	39	32	34	30
Cp	61	68	66	70
Carbon Type Analysis, %				
Ca	<1	<1	<1	<1
Cn	37	34	35	30
Cp	63	66	65	70
Aromatics by HPLC	<1	<1	<1	<1
Saturates by HPLC	>99	>99	>99	>99
21 CFR 178.3620 (C)	PASS	PASS	PASS	PASS

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