

Typical Physical & Chemical Properties

Physical Properties	Methods	1001	2401	6001
Viscosity at 100F, SUS	ASTM D2161	106	212	530
Viscosity at 210F, SUS	ASTM D2161	40	44	68
Viscosity at 40C, cst	ASTM D445	21.2	41.0	106
Viscosity at 100C, cst	ASTM D445	4.40	6.3	12.0
API Gravity, 60F	ASTM D4052	36.0	32.1	31.0
Specific Gravity, 60F	ASTM D4052	0.845	0.865	0.871
Weight, lb/gal	ASTM D4052	7.034	7.20	7.25
Viscosity Gravity Constant	ASTM D2501	0.8023	0.8037	0.7947
Molecular Weight	ASTM D2502	369	430	586
Pour Point, C	ASTM D5950	-15	-15	-15
Color	ASTM D1500	L0.5	L0.5	L0.5
Volatility – Mass% @ 225F	ASTM D972	0.52	0.09	0.02
Flash Point, COC, F	ASTM D92	403	446	518
Sulfur, ppm	ASTM D5453	<6	<6	<6
Refractive Index at 20C	ASTM D1218	1.4682	1.4740	1.4781
Aniline Point, F	ASTM D611	225	238	257

Chemical Properties	Methods	1001	2401	6001
Saturates, HPLC wt.%	Chevron	>99	>99	>99
Aromatics, HPLC wt.%	Chevron	<1	<1	<1
21 CFR 178.3620 (C)	FDA	Pass	Pass	Pass
Carbon type by ndM	ASTM D3238			
% Carbon in paraffinic structure		68	66	71
% Carbon in naphthenic structure		32	34	29
% Carbon in aromatic structure		0	0	0
Carbon type analysis, %	ASTM D2140			
Ca		<1	<1	<1
Cn		34	35	29
Cp		66	65	71

Chevron premium process oils are chemically pure, with exceptional color stability, low volatility and practically zero aromatics. Paramount is an excellent alternative when color is less critical.

Applications That Benefit From Paramount Process Oils

- Adhesives, Sealants and Coatings
- Agricultural Spray
- Automobile Interior Moldings
- Automotive Under Hood Parts
- Carpet Underlayment
- Dielectric Fluids
- Drilling Fluids
- Foam
- Footwear
- Furniture Polish
- Gels
- Heat Transfer Fluids
- Household Products
- Insulation
- Polymer Modified Asphalts
- Roofing Compounds
- Rubber Membranes
- Textiles
- Weather-Stripping
- Wire and Cable Insulation

For More Information or To Request a Sample

Global Process Oils Sales Manager
PremiumProcessOils@chevron.com



3 Plants 16 Supply Hubs