

PROCESS OIL

Product Selection Guide

H.M. Royal offers a variety of process oils to enhance the compound processing characteristics of rubbers and plastics. We ensure product availability, manage multiple vendors and provide access to the best products.



Use this product selection guide to find the right process oil for your application.

	TRADE NAME	SUPPLIER/REFINER	VISCOSITY @ 100 °F SUS ASTM D2161	VISCOSITY @ 40 °C CST ASTM D445	FLASHPOINT °F ASTM D92	ANILINE POINT	AROMATIC CONTENT %	COLOR	LB/GAL
PARAFFINIC	Group III ParaLux® 6001	Renkert/Chevron	606	116	271 °C / 527 °F	123 °C / 254 °F	<1%	<0.5	7.26
	Group II ParaMount™ 6001	Renkert/Chevron	589	113	271 °C / 527 °F	125 °C / 257 °F	<1%	<0.5	7.28
	Group I	new grade TBD	H&R / PBR						
Tudalen C 830		H&R		467	320 °C / 608 °F	127 °C / 261 °F	4%	6	7.46
NAPHTHENIC	Hynap® N100HTS	San Joaquin	120	23	174 °C / 345 °F	81 °C / 178 °F	4%	1.5	7.481
	Raffene™ 200L		199	38.3	179 °C / 355 °F	80 °C / 176 °F	28%	2.5	7.582
	Raffene™ 750L		876	162	199 °C / 390 °F	82 °C / 180 °F	37%	3	7.717
	Raffene™ 1200L		1445	263	213 °C / 415 °F	88 °C / 190 °F	41%	3.5	7.727
	Raffene™ 2000L		2034	366	216 °C / 420 °F	81 °C / 177 °F	45%	4.5	7.835
AROMATIC	Raffex 90	San Joaquin	7033	662	224 °C / 435 °F	43 °C / 109 °F	66%	8.0	8.4
	Tudalen 5202	H&R	98 @ 210 °F SUS		260 °C / 500 °F			Dark	
	Tudalen 5204	H&R	43 @ 210 °F SUS		209 °C / 408 °F	28 °C / 82 °F Typical		Dark	

Aromatic

- Darkest color (staining)
- High aromatic content, low aniline point
- Higher viscosity
- Compatible with NR, SBR, PBD, CR
- Lowest price

Naphthenic

Paraffinic

- Lightest color (non staining)
- Low aromatic content, high aniline point
- Lower viscosity
- Compatible with EPDM
- Highest price