



SAN JOAQUIN REFINING CO., INC.

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Aromatic Process Oils Product Data Sheet

Typical Properties	ASTM Method	RAFFEX®			
		90	100	120	200
Viscosity, SUS @ 100F	D2161	3852	6526	12400	69960
Viscosity, SUS @ 210F	D2161	81.9	103	120	210
Viscosity, cSt @ 40C	D445	662	1108	2036	10500
Viscosity, cSt @ 100C	D445	15.34	20.15	23.77	42.00
API Gravity	D287	10.9	10.4	9.5	6.1
Specific Gravity @ 60F	D1250	0.9937	0.9972	1.0035	1.0283
Density, lb/gal @ 60F	D1250	8.276	8.305	8.358	8.565
Color	D1500	D8.0	D8.0	D8.0	D8.0
Flash, COC, F	D92	410	415	420	450
Pour Point, F	D97	45	49	60	85
Aniline Point, F	D611	99	92	88	80
Refractive Index @ 20C	D1218	1.5535	1.5624	1.5660	1.5883
Neut. No., mg KOH/g	D974	5.5	5.3	7.0	7.0
Sulfur, w%	D2622	1.11	1.11	1.12	1.30
Clay-Gel Analysis, w%	D2007				
Asphaltenes		0	0	0	0
Polar Compounds		17	23	21	28
Aromatics		65	55	65	62
Saturates		18	22	14	10
Carbon-Type Analysis, %	D2140				
Ca		41	37	42	47
Cn		38	32	36	22
Cp		21	31	22	31