

SPECIFICATION OF PANOIL - C - 160 (N), (P), (A).

Sr. No.	Characteristics	TEST METHOD			
			NAPHTHENIC	PARAFFINIC	AROMATIC
1	Color, ASTM. (max.)	ASTM D-1500	3.0	3.0	8.0
2	Density @ 29.5°C. gm/ml	IS : 1448 (P-32)	0.8900	0.8800	0.9400
3	Kinematic Viscosity @40°C, cSt	IS : 1448 (P-25)	20 to 22	30 to 32	20 to 25
4	Flash Point COC, °C. (min.)	IS : 1448 (P-21)	160	190	200
5	Pour Point, °C	IS : 1448 (P-10)	-6	0	30
6	Aniline Point, "C	IS : 1448 (P-3)	78	96	50
7	Neutralisation Number mg KOH/gm of oil. (max.)	IS : 1448 (P-2)	0.05	0.05	0.10
8	V.G.C. (Viscosity Gravity Constant)		0.8600	0.8200	0.9350
9	Carbon Type Analysis : Cp Cn Ca		50 35 15	60 30 10	
10	Molecular Analysis : Aromatics Wt. % Polar Compounds Wt. % Saturates Wt. %	ASTM D-2007			75 13 12

APPLICATION :- PANOIL - C- 160 (N) : Panoil-C-160 (N) is recommended for processing of rubber for automobile tyres, tube & different kind of Rubber Moulds.

PANOIL - C -160 (P) : This Oil is highly suitable for various rubber products from natural as well as synthetic.

PANOIL - C -160 (A) : This Oil is highly suitable for synthetic & natural rubber as butadine neoprene & styrene butadine rubber.

Process oils for Rubbers, Elastomers and Adhesives

USES:

- It is known that the modern rubber compounding process requires high speed mixing and short mixing periods with proper polymer consistency for rapid processing.
- The function of BEHRAN RUBBER PROCESS OILS is to improve physical properties of vulcanization to reduce the cost of the finished rubber compounds.

PROPERTIES:

- BEHRAN RUBBER PROCESS OILS are intermediate products with excellent processability, loading (filler) characteristics and tensile properties.
- BEHRAN RUBBER PROCESS OILS are perfect intermediate products to optimize required conditions. The compounder can achieve a workable mass with adequate dispersion of fillers through the selection of the correct process oils.
- BEHRAN RUBBER PROCESS OILS are efficient secondary plasticizers in order to reduce cost.
- BEHRAN RUBBER PROCESS OILS are offered in two kinds: Aromatic and paraffinic.

TYPICAL CHARACTERISTICS OF AROMATIC PROCESS OIL:

BRAND NAME		Behran Rpo-245	Behran Rpo-250	Behran Rpo-290	Method
Oensity @ 15.5 °C	Kg/m ²	985-1000	990-1040	985-1015	ASTM D-4052
Flash Point (COC)	°C	204	246	216	ASTM D-92
Kinematic Viscosity @100 °C	cSt	6-12	50-80	19-28	ASTM D-145
VGC		Max 0.97	Max	Max	ASTM D-2501
Aniline Point	°C	Max 26	Max 32	Max 32	ASTM D-611

TYPICAL CHARACTERISTICS OF PARAFFINIC PROCESS OIL:

BRAND NAME		Behran Rpc-840	Behran Rpc-845	Method
Density @ 15.5 °C	Kg/m ²	895	905	ASTM D-4052
Flash Point (COC)	°C	174	183	ASTM D-92
Kinematic Viscosity				ASTM D-445
@40°C	est	21-28	25-42	
@ 100 °C	cSt	Mn. 5	5-7	
VGC		0.945	0.85	ASTM D-2501
Aniline Point	°C	79	82	ASTMD-511

Specification for RPO

Characteristic	RPO	TEST METHOD-ASTM

Kinematic Viscosity @ 100°C, cst	35	D-445
Flash Point °C	264	D-92
Pour Point Point °C	15	D-97
Specific Gravity @15.6°C /15.6 °C	0.995	D-4052
Aniline Point °C	45	IP-2
Sulpur Content wt%	3.5	D-2622
Ash Content. wt %	0.02	D-482
VGC	0.925	D-2501
Carbon type analysi,% Ca, Cn ,Cp	35,23.42	D-3228