

Process

Process oils are general-purpose petroleum products suitable for use in the chemical and technical industries to produce technical rubbers and polymers. They are paraffinic and contain a low percentage of aromatic products (PCA <3%).

Use

- Process 150, Process 600, and Process 900 are paraffinic process oils suitable for use in the chemical and technical industries, either as raw materials or to optimize the manufacture of technical rubbers and polymers. They can also be used in the production of asphalt sheets, inks, paints, etc.

Purity

- They comply with standard 21 CFR 178.3620(c): Not suitable for food use.

Benefits

- Process products are supplied in bulk by tanker trucks or in containers by ship.

Physical and chemical properties

Parameter	Units	Method	Process 150	Process 600	Process 900
Density at 15°C	Kg/l	ASTM D 4052	0.8695	0.8934	0.9013
Appearance	-	Visual	Clear and bright	Clear and bright	Clear and bright
Viscosity at 40°C	cSt	ASTM D 445	30.1	114.1	491.9
Viscosity at 100°C	cSt	ASTM D 445	5.33	12.16	31.75
Viscosity Index	-	ASTM D 2270	103	95	>95
Pour Point	°C	ASTM D 5949/5950	<-15	-6	<-6
Aniline point	°C	ASTM D 611	99.1	105.7	114.1
Flash Point V/A	°C	ASTM D 92	238	227	>280
ASTM Color	-	ASTM D 1500	<1	<2	<5
Micro Carbon Residue	% Weight	ASTM D 4530	<0.05	0.08	0.6
Sulfur	% Weight	ASTM D 4294	0.62	1.03	1.32
Acid Number	(mg. KOH/g.)	ASTM D 664	<0.05	<0.05	0.04
Humidity from crepitation	-	Internal	No crepitation	No crepitation	No crepitation
Ash content	% (m/m)	ASTM D 482	<0.001	<0.001	<0.001
Water content (Karl-Fischer)	ppm	ASTM D 6304	100	118	94
*Carbon distribution			-	-	-
% paraffinic C		BRANDES IR	62.8	65.2	68.9
% naphthenic C			33.2	30	24.4
% aromatic C			4	4.8	6.7

(*) The characteristics indicated with an asterisk are shown for information purposes only and will not appear on the quality certificate.

Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.