



Selectively purified petroleum extracts

Selectively purified petroleum extracts are used as plasticizer oils and softeners in the manufacture of rubber mixtures in the production of rubber-technical products.

TYPICAL PARAMETERS

Specification Test	Test method	Selectively purified petroleum extracts	
		Residual PN-6k	ESO
Kinematic Viscosity at 100 °C, mm²/s	ASTM D 445 (GOST 33)	32,85	15,96
Refractive index at 50 °C	GOST 18995.2	1,5310	1,5423
Aniline point, °C	GOST 12329	64,5	-
The content of N-methylpyrrolidone, wt. %	GOST R 52532	absence	-
Mechanical impurities, wt %	GOST 6370	absence	-
Water content, wt %	GOST 2477	traces	traces
Flash Point, COC, °C	GOST 4333	260	225
Pour Point, °C	GOST 20287	36	-
Density at 20 °C, kg/m³	GOST 3900 (Method 1)	0,962	984,0
Group chemical composition: a) the content of paraffin-naphthenic hydrocarbons, wt. % b) the content of resins, wt. %	TU 38.1011217-89	15,97 5,95	-
The aggregate state is at 20 °C and 760 mmHg.	-	liquid	liquid
The content of aromatic hydrocarbons, wt. %	Application A to the explanations of the Customs Code of the EAEU (Volume VI, group 27)	85,7	83,8
Density at 15 °C, kg/m³	EN ISO 12185:1996	970,9	980,7
Salt concentration, mg/kg	ASTM D 3230-19	less than 3,5	less than 3,5
Penetration index (needle method) at 25 °C, 0.1 mm	EN 1426:2015	more 500	-

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Fractional composition: - The boiling point, °C - Distilled to a temperature of 250 °C, vol. % - Distilled to a temperature of 300 °C, vol. % - Boiling point, °C	ASTM D 86-20b	201,0 2,0 4,0 346,0	175,0 3,0 8,0 384,0
Fractional composition at reduced pressure: - The temperature of the end of boiling, °C - Residue after distillation, wt %	ASTM D 1160-18	556 27,2	-
Sulfur content, wt %	GOST R 51947	-	3,37
Name of the processing process	-	Vacuum distillation, selective purification	Selective cleaning