



Eni Clematis TD, classified as TDAE (Treated Distillate Aromatic Extract), is a safe oil with a low content of polycyclic aromatic hydrocarbons (PAHs), produced by a solvent extraction of traditional distillate aromatic extract (DAE) oil.

Eni Clematis TD is used as extender oil in the production of OE SBR and BR and as free oil in the manufacturing of tyres and other rubber goods.

TECHNICAL CHARACTERISTICS

Eni Clematis TD	UNIT	VALUE			TEST METHOD
		min	max	typical	
Density at 15°C	kg/m ³	940	970		ASTM D 1298
Viscosity at 40°C	mm ² /s	320	500		ASTM D 445
Viscosity at 100°C	mm ² /s	17	22		ASTM D 445
Flash Point, COC	°C	240			ASTM D 92
Flash Point, PM	°C	230			ASTM D 93
Pour Point	°C		30		ASTM D 97; 7346
Aniline Point	°C	60	75		ASTM D 611
Viscosity Gravity Constant	-	0.86	0.93		ASTM D 2501
Ca/Cn/Cp	% m			21/21/58	ASTM D 3238
Ca/Cn/Cp	% m			23/29/48	ASTM D 2140
Class of hydrocarbons by Clay gel chromatography - saturated - polars - aromatics	% (m/m)			41 4 55	ASTM D 2007
Refractive Index at 20°C	-	1.52	1.54		ASTM D 1747
Glass transition temperature DSC	°C		-50	-54	ASTM E 1356
Sulphur	% (m/m)		3		ASTM D 1552; 4294; 2622
Water content	% (m/m)		0.5		ASTM D 6304
Distillation at 760 mmHg: - 5% vol - 10% vol - 20% vol - 50% vol	°C			420 440 460 490	EN 15199-2 ASTM D 1160





TECHNICAL CHARACTERISTICS

Eni Clematis RL	UNIT	VALUE			TEST METHOD
		min	max	typical	
DMSO extract	%(wt/wt)		2.9		IP 346
Polycyclic aromatic hydrocarbons (PAHs): - Benzo(a)pyrene(BaP) Sum of 8 PAHs: - Benzo(a)pyrene(BaP) - Benzo(e)pyrene(BeP) - Benzo(a)anthracene(BaA) - Chrysene(CHR) - Benzo(b)fluoranthene(BbFA) - Benzo(j)fluoranthene(BjFA) - Benzo(k)fluoranthene(BkFA) - Dibenzo(a,h)anthracene (DBAhA)	(1) mg/kg		<1 <10		EN 16143

(1) Legal limits - Reg. REACH, Annex XVII, Point 50 regarding the extender oils used for the production of tyres or part of tyres. It does not apply to other uses.

