PRODUCT DATA SHEET

eni Celtis (900 series)

eni Celtis (900 series) are paraffinic oils expressly formulated for use in the preparation of rubber mixes and for the processing of plastics.
The viscosity grades cover the widest possible field of uses.

CHARACTERISTICS (TYPICAL FIGURES)

eni Celtis (900 series)		902	903	906
Colour ASTM D 1500	-	0.5	1	2.5
Viscosity at 40°C	mm²/s	15.5	30	95
Viscosity at 100°C	mm²/s	3.6	5.3	10.9
Flash Point C.O.C.	°C	196	218	245
Pour Point	°C	-12	-12	-9
Refract. Intercept	-	1.045	1.046	1.046
Viscosity Gravity Constant	-	0.804	0.810	0.811
Density at 15°C	kg/m³	850	872	885
Clay-gel:				
- satured	%wt	80.8	80.6	73
- aromatic	%wt	18.7	18.8	26.2
- polar	%wt	0.5	0.6	0.8
S.U.N. Ca/Cn/Cp	%wt	4/27/69	5/27/68	6/28/66

eni Celtis (900 series)		909	911C	933	956
Colour ASTM D 1500	-	2.5	2.5	3.5	7
Viscosity at 40°C	mm²/s	115	150	472	848
Viscosity at 100°C	mm²/s	12.25	14.7	32	43.6
Flash Point C.O.C.	°C	250	-	290	300
Flash Point P.M	°C	-	252	-	-
Pour Point	°C	-9	-9	-6	-6
Refract. Intercept	-	-	1.046	1.043	1.049
Viscosity Gravity Constant	-	-	0.824	0.807	0.833
Density at 15°C	kg/m³	887	888	903	927
Clay-gel:					
- satured	%wt	71.5	70.6	67.5	41.5
- aromatic	%wt	27.5	28.3	30.8	53.4
- polar	%wt	1.0	1.1	1.7	5.1
S.U.N. Ca/Cn/Cp	%wt	6/28/66	6/27/67	10/20/70	12/21/67

PROPERTIES AND PERFORMANCE

- **eni Celtis** (900 series) products are designed to improve the workability of elastomers during calandering, extrusion and moulding.

eni Celtis (900 series)

PRODUCT DATA SHEET

- They facilitate the addition and blending of pigments, additives, carbon-black, etc.
- They have anti-stain properties, excellent thermal stability, oxidation resistance and low volatility.

APPLICATIONS

- **eni Celtis** (900 series) are particularly recommended for use such as "extender oil" to be mixed with the polymer and the other components to make the semi-product; or such as "process-oil", in order to be added to the semi-product in the mixer for the production of the finished product.
- **eni Celtis** (900 series) are paraffinic products recommended for use with styrene-butadiene rubbers (SBR) and are particularly used for low unsaturation elastomers such as butyl rubbers (IIR) and ethylene-propylene termopolymers (EPDM).