



NEW plasticizer with low volatility and low temperature properties! EDENOL® 198

APPLICATION

Flexible PVC e.g. artificial leather, sheets, electrical wires and cables, extrusion products, automotive trim products and synthetic rubber cable compounds

ADVANTAGES

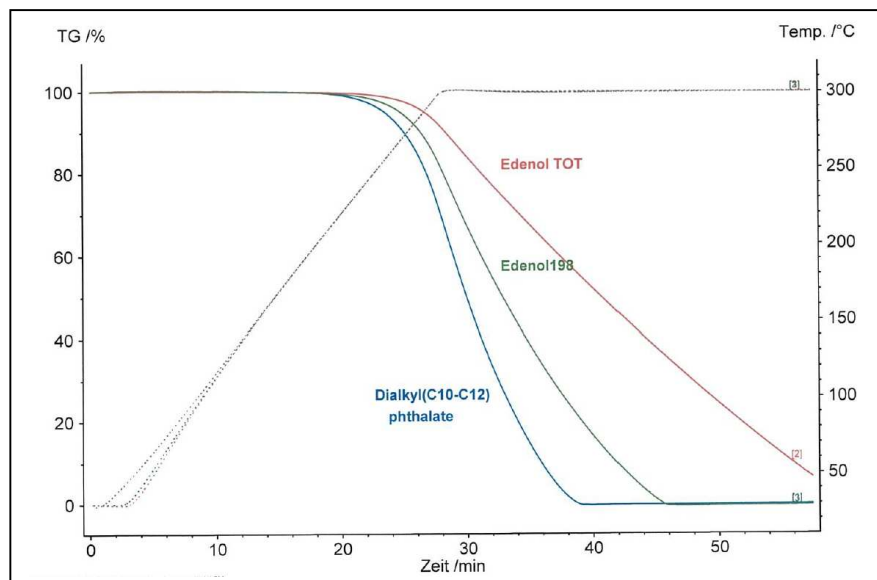
- ✓ Low volatility resulting in excellent low fogging properties (e.g. automotive trim)
- ✓ Excellent low temperature resistance
- ✓ Very good thermal stability

Parameter	Value	Test Method
Density (g/cm ³ ; 20 °C)	0.953 - 0.957	ASTM 4052
Colour APHA	0 - 100	ASTM D1209
Acid value (mg KOH/g)	0 - 0.1	AOCS Te 1a-64:1997
Refractive Index (20 °C)	1.4860 - 1.4890	AOCS Tp 1a-64

ADDITIONAL PROPERTIES

Residual alcohol content	0 - 0.2 %
Viscosity, 20 °C	68 - 75 mPa·s
Pour Point	< -20 °C

THERMAL GRAVIMETRIC ANALYSIS




COLD FLEXIBILITY TEMPERATURE

Test Formulation [phr]	No. 16047-01	No. 16047-02	No. 16048-01
PVC	100.00	100.00	100.00
EDENOL® D81	3.00	3.00	3.00
CaZn Stabilizer	2.00	2.00	2.00
EDENOL® 198	40.00	70.00	-
TOTM	-	-	40.00
Cold flex. temperature	-45 °C	< -50 °C	-25 °C

Test Formulation [phr]	EDENOL® 198	Dialkyl C10-12 Phthalate	TOTM
PVC			100
CaZn Stabilizer for cable			5.0
CACO3			30
Plasticizer	40	40	40
Hardness			
Shore A	96.8	94.8	97.2

HEAT STABILITY TEST AT 185 °C

Test:	Tester:	Conditions:	Test specimen:	Test date
Static heat stability	Gear oven	T=185 °C	Roller mill (T: 160 °C/3 minutes)	24. June 16
Plasticizer	0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100' 110' 120'/min			
EDENOL® 198				
Dialkyl C10-12 Phthalate				
TOTM				

HEAT AGING TEST AT 120 °C, 2 weeks

Test:	Tester:	Conditions:	Test specimen:	Test date
Static heat stability	Gear oven	T=120 °C	Roller mill (T: 160 °C/3 minutes)	24. June 16
Plasticizer	0 24 48 120 192 360/hours			
EDENOL® 198				
Dialkyl C10-12 Phthalate				
TOTM				

EDENOL® 198 is a clear liquid product, available in 190 kg drum. IBC tote packaging available on request. For further information, please do not hesitate to contact your Emery Oleochemicals sales partner.

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