



TECHNICAL DATA SHEET (TDS)

Product: Distillate Aromatic Extract (DAE)

Supplier: Basekim

Description

DAE is an aromatic process oil produced by solvent extraction of vacuum gas oil fractions. It offers strong solvency for fillers and plasticizers, enhancing dispersion and processing in elastomer compounds. Due to elevated polycyclic aromatic (PCA/PAH) content, usage in some tire applications is restricted by regional regulations.

Applications

- Rubber compounding for industrial goods (hoses, belts, mats, molded parts)
- Plasticizer and diluent for elastomers requiring high aromatic solvency
- Carbon black carrier oil and softener in non-regulated applications

Typical Specifications

Property	Typical Value / Range	Test Method
Kinematic Viscosity @ 100 °C	25 – 40 cSt	ASTM D445
Kinematic Viscosity @ 50 °C	350 – 550 cSt	ASTM D445
Flash Point (COC)	230 – 250 °C	ASTM D92
Density @ 15 °C	0.970 – 1.010 g/cm ³	ASTM D1298
Aniline Point	45 – 65 °C	ASTM D611
Pour Point	+15 – +30 °C	ASTM D97
Sulfur Content	1.0 – 3.0 % wt	ASTM D2622
Color (ASTM)	6 – 8	ASTM D1500
Viscosity Gravity Constant (VGC)	0.90 – 0.94	ASTM D2501
PCA / Extractables (IP-346)	> 3 % wt	IP-346

Packaging & Handling

- 180–200 kg new steel drums, ISO tanks, flexi-tanks, or bulk shipment
- Store closed in a cool, dry, well-ventilated area away from heat and oxidizers
- Mix or recirculate before use if stored cold to ensure homogeneity



Quality & Documentation

Each batch is supplied with: Certificate of Analysis (COA), Safety Data Sheet (MSDS), and this TDS.