



# Technical Data Sheet

## Esun<sup>®</sup> Petroleum Hydrocarbon Resin C9 ES100S

### Product Description:

Esun<sup>®</sup> C9 ES100S is a low molecular weight, non-polar, amber colored thermoplastic aromatic hydrocarbon resin produced by catalytic polymerization of selected constituents of petroleum-derived C9-fraction. It is featured by superb resistance to acids, alkalis and water. It is suggested for use in EVA-based HMA, e.g. woodworking hot melts, paper and packaging hot melts, HMPSA, solvent-borne adhesive, paints and rubber formulations etc.

### Key Features:

- Improved adhesion & application rate
- Improved resistance to chemicals, water and heat
- Broad compatibility and solubility
- Reinforcing tackifier for many polymers used in adhesive industry

### Application/Uses:

- EVA based HMA
- Solvent-borne adhesive
- Woodworking hot melts
- Hot melt pressure sensitive adhesive
- Paper and packaging hot melts
- Paints
- Rubber formulations

### Product Specifications:

Items	Test Method	Unit	Index
Color(50% resins solids in Toluene)	ASTM D 1544	Ga.#	5 max.
Softening Point (Ring & Ball)	ASTM E 28	°C	100±5
Acid Value	ASTM D 974	KOH mg/g	0.1 max.
Ash Content	ASTM D 1063	%	0.1 max.
Specific Gravity	ASTM D 71		1.05-1.10
Bromine Value	ASTM D 1159	Br.cg/g	25 max.

### Packaging & Storage:

Flakes or pellets in 25 kgs net kraft paper bags, loosely loaded into container with qty of 18.5 mts/20' fcl or stacked on shrink-wrapped pallets with qty of 16 mts/20' fcl.

Due to the characteristic of resins, flaked or pelletized resins may block, lump or fuse when temperature is high, it is recommended to store resins in temperature controlled place, be careful with stacking material or applying pressure and preventing prolonged storage.

Be aware that lumping does not have any negative impact on the quality of resins. Claims of lumping cannot be accepted. Resins may gradually oxidize, so it is strongly recommended to control inventory of resins and always use oldest material first.

**Shelf Life:** 1 year.

*Eastsun resins are sold based on the TDS listed above unless otherwise agreed in writing by Eastsun. No warranty or guarantee (expressed or implied, of merchantability, fitness or otherwise) is made as to the suitability or fitness for use in buyer's specific application. It is the user's responsibility to determine the suitability and fitness for use. The technical data are based on Eastsun's sampling and evaluation procedures in effect at the time of production.*

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