

## TECHNICAL INFORMATION

### DYPHENE® 8318C

Dyphene® 8318 is an oil-soluble, non-heat reactive alkyl phenolic novolak resin that imparts exceptional initial tack and tack retention to rubber compounds. It is used extensively as a tackifier in tire compounds based on blends of NR, SBR and BR.

#### FEATURES:

- Imparts high initial tack in green rubber stock (auto-adhesion)
- Retains a high level of tack even after extended exposure to high temperature and humidity.
- Exhibits good compatibility.
- Offers greater economy than many less expensive resins because lower loadings of DYPHENE® 8318 can yield equivalent tack.
- Functions as a processing aid, aids dispersion of other compounding ingredients, reduces mixing viscosity.
- Outperforms hydrocarbon resins for tack, tack retention and physical properties in many applications.

**SUGGESTED USES:** Tackifying resin for building tack in tire carcass stocks using NR/SBR and NR/SBR/BR blends, and innerliner recipes containing chlorobutyl/SBR/NR blends. Tackifying resin for tire cements, rubber-compounding applications that now use hydrocarbon resins.

Appearance and Form	Clear, yellow to amber flakes
Softening point (Ring & Ball)°C	85-95
Acid Number	25-43
Acetone Insolubles	0.5 max
Flake thickness, inches	.075 - .125
Gardner Holdt Viscosity (num)	1.4 – 3.8
*Specific Gravity	1.00-1.050
*Not shown on COA	

**SOLUBILITY:** Recommended solvents for DYPHENE 8318 include:

Acetone	Xylene	Methyl Ethyl Ketone
Toluene	Hexane	VM&P Naphtha
Rubber Solvent		Carbon Tetrachloride

**Recommended Storage:** Store in dry area. Shelf life is more than one year at temperatures of 100°F or lower.

**Standard Package:** 50# bags

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