

DYPHENE® 8318 Phenolic Resin
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol
CAS# 26678-93-3

Technical Data:

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, dispersion aid for other compounding ingredients, and reduces compound viscosity.
- Out performs 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 inner liner recipes containing chlorobutyl/SBR/NR blends. Tackifying resin for tire cements, rubber-compounding applications that now use hydrocarbon resins.

Appearance and Form	Yellow to amber flakes or pastilles
*Softening point (Ring & Ball)°C	90-100
*Acid Number	60-80
*Acetone Insolubles	0.3 Max.
*Gardner Holdt Viscosity (num)	2.0 – 4.0
Specific Gravity	1.00-1.050

*Actual values reported on certificate of analysis.

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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The technical information and suggestions for use contained herein are believed to be reliable, but they are not to be construed as warranties and no patent liability can be assumed.