Terpene Phenolic Resin 803L

Properties and Characteristics

TPR-803L is a light colored terpene phenolic resin characterized by its high softening point and its efficiency as a tackifier resin for for chloroprene adhesives and hot melt adhesives. It has a narrow molecular weight distribution and several polar groups, therefore rendering it widely compatible with a variety of elastomers (NR, SBR, CR, EVA, IIR, NBR) and resins (phenolic resin, epoxy resin, polyamide resin). TPR-803L is also soluble in a wide range of solvents (toluene, benzene, mineral spirit, drying oil, acetone, ethanol, ethyl acetate).

Specifications

Property	Value
CAS Number	68648-57-7
EINECS Number	500-005-2
Molecular Formula	$(C_8H_8O_2)_n$
Appearance	Pale yellow lump or flake
Softening point (R&B Method)	145-160°C
Heating Stability (180/48H)	10 max
Color (Gardner)	4-7 max
Acid	45-60

Applications

TPR-803L is used to increase adhesion strength and heat resistance primarily for chloroprene, hot melt, and solvent-based adhesives. It has a wide range of compatibility and solubility, allowing for increased tackiness retention and phasing resistance.

Packaging

25kg paper-plastic compound bags or 40kg plastic intertexture bag.