



TERPENE PHENOLIC RESIN DRT-70/90/100

INTRODUCTION:

Terpene phenolic resin are thermoplastic polymers manufactured by copolymerization of terpene hydrocarbons and phenol

APPLICATION:

Tackifying agent in rubber formulations of tyre, tubes adhesives, hot melt coatings, printing inks

PRODUCT CHARACTERISTICS:

Sr. No	Characteristic	Specifications		
1	Description	Medium Pale Solid Lumps/ Flakes.		
2	Chemical Name	Terpene Phenolic Resins.		
3	Structural Formula			
4	Molecular Formula	(C ₁₆ H ₂₂ O) _n		
5	Molecular Weight.	Not Applicable		
6	Colour Value (Gardner Scale)	7 to 12 G		
7	Acid Number (mgKOH/gm)	Max. 2.0 mgKOH/gm		
8	Saponification Number (mgKOH/gm)	Max. 3.0 mgKOH/gm		
9	MTO Tolerance (10 % solution)	Clear Solution.		
10	Softening Point Deg. Celsius (Ball & Ring)	70 TP	90 TP	100 TP
		70 ± 5.0°C	90 ± 5.0°C	100 ± 5.0°C

SOLUBILITY:

Soluble in all proportions in petroleum solvents, mineral and vegetable oils, aromatics and coal tar solvents, long chain alcohols, ester and ketons. Insoluble in water, lower alcohols, ester and ketones

COMPATIBILITY:

Compatible: natural and synthetic rubber, rosin, ester gum alkyds, many polymer system, most plasticizers and waxes

SHELF LIFE: 1 YEAR

PACKING:

- DRT-70 TP resins are stored in 100 kgs GI drums.
- DRT-90 TP and 100 TP are stored in 25 kg, HDPE woven bags.

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