

HiRENOL[®] KPT-S1503C

HiRENOL[®] KPT-S1503C is an oil soluble, non-heat reactive p-alkyl phenolic resin used in the rubber industry as tackifying resin in order to improve the tack of natural and synthetic rubber based compounds. It is used particularly for manufacturing tires, belts, hoses etc. for which many parts have to be built up prior to vulcanization.

Rate of Use : Generally 2 ~ 10 parts per 100 parts of rubber. With EPM or EPDM, a level of 5 to 10 phr is recommended.

Properties

Property	Specification	Remark
Appearance	Light Brownish Pastille	
Softening Point	100 ~ 110°C	Ball & Ring Method(5°C/min)
Specific Gravity	1.00 ~ 1.05	25°C
Acid Number	24 ~ 42	KOH mg/g
Ashes	Typically 0.1% max.	800°C×1hr

Guide Formulation

	Part(by weight)
STR-20	50
BR	50
N-330 Black	50
ZnO	3
Stearic Acid	2
Process Oil	15
KPT-S1503C	5
Sulfur	1.5
NS	2

Packing & Storage

- The standard package for KPT-S1503C is a multi-wall paper bag containing 20Kg net of resin. A package can be changed with special order.
- In a cool place away from moisture & heat, KPT-S1503C is usable for more than 12 month. Above 25°C should be avoided to minimize sintering of the product. The bags should be kept closed to minimize product exposure to oxygen & moisture