

COUMARONE INDENE RESIN G 90

Genuine Low Molecular Weight, Consistent Quality C.I. Resin From Nitto - Japan
 Proven performance In High Quality Rubber Compounds, Adhesives, Anticorrosive, Paint & Coating

EFFECTIVE TACKIFIER & PROCESS AID TO ENHANCE OVERALL QUALITY OF RUBBER COMPOUND

Functionalization

Intrinsic Property

(Coumarone) (Indene) (Styrene)

Nitto Synthesizes C.I Resin from COKE is different from Petroleum / Hydrocarbon Resin which are Synthesized from Petroleum Cracked C5-C9 fractions which has very High Molecular Weight Compared with C.I Resin.

C.I. RESIN IS UNIQUE COMBINATION OF COUMARONE, INDENE & STYRENE MOLECULES-EACH OF THEM PLAY IMPORTANT ROLE IN PERFORMANCE

COUMARONE	INDENE	STYRENE
<ul style="list-style-type: none"> Rubber Softening, works as Process Aid, Increases TACK High Cohesiveness-Better knitting, Chemical Resistance. Water proofing, Sealing & Corrosion Resistance. 	<ul style="list-style-type: none"> Transparency (Important for Adhesives) Better Adhesiveness, Increase Tack Glutinosity(Helps maintain Viscosity) 	<ul style="list-style-type: none"> Heat Resistance (Better heat ageing) Sound Insulation, Softening Characteristics Increases Gas Impermeability.

Characteristics	Appearance	Number of Colors	Sofening Point	Viscosity	OH Value	Acid Number	Specific Gravity	Molecular Weight	
UNIT	--	#	°C	mPa's 25°C	KOH mg/G	KOH mg/g	-	Mw	
NITTO RESIN	G-90	Bead	16max.	90	-	25	1.0Max.	1.11	770
	H-100	Bead	16max.	100	-	60	1.0Max.	1.14	710
	V-120	Bead	16max.	120	-	30	1.0Max.	1.12	960
	V-120S	Bead	16max.	120	-	30	1.0Max.	1.12	950
	L-5	Liquid	Dark-brown	-	500	50	1.0Max.	1.09	160
	L-20	Liquid	Blackish-brown	-	2,000	70	1.5Max.	1.10	220
	L-80	Liquid	Blackish-brown	-	6000-10000	10 Max	-	-	-

Elastomer Compounding G-90	Adhesive Tackifier H-100	Binder in Paint & Coatings H-100
<ul style="list-style-type: none"> Best For Gum Cushion Compounds In Retreading. Reduction In Mixing Time-power Saving Faster/better Filler Incorporation (Knitting) Better Scorch Safety Faster Cure Rate-optimum Cure Improved Building Green Tack Important for Ply Building Operation Green Shape Retention On Hoses. Faster Extrusion And Smooth Finish Improved Physical Properties- Both Original And Aged. Tackifier & Softner specially High Mooney Rubbers. 	<ul style="list-style-type: none"> Low Molecular Weight <700, compared to PF Resin-helps In Faster Dissolution, Solubility And Strength Free Flowing Uniform Bead Form Compared to Lump Form of PF Resin. Helps In Fast Dissolution. Excellent Tack Retention Same as PF Resin Colour is Light Amber compared to dark brown colour of PF resin-hence better aesthetics Has superior/higher adhesive bond strength increase tack by 15-20% against PF resin after 24 hours. Does not form harmful "formaldehyde" known to be carcinogenic. no foul smell during process. IT can be blended up to 33% of PF Resin 	<ul style="list-style-type: none"> Low Molecular Weight <700,helps In Faster Dissolution, Solubility & Strength Effective Anti Corrosive Caol Tar Chemistry. Helps In Protecting Ships Hull For a Long period of time And offer Fine Adhesion Property to The Steel Surface. Excellent tack retention Excellent heat resistance Faster drying & better Gloss

