



**EDATHALA POLYMERS PVT LTD**

**MATERIAL SPECIFICATION**

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Issue No: 04

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<b>Material Name:</b>	INDIAN STANDARD NATURAL RUBBER - ISNR 20
<b>Material Code:</b>	ISNR 20
<b>Composition:</b>	Cis Poly Isoprene
<b>Packing:</b>	25 Kg Bales wrapped in LDPE
<b>Description of Process:</b>	Plantation Rubber coagulum (Cup lump/Tree Lace/Latex Coagulum) obtained from Hevea Brasiliensis Tree, and processed by pre cleaning, cutting, creeping, shredding, drying, pressing and packing.

**ANALYTICAL CHARACTERISTICS**

Sl No:	PARAMETERS	Unit	STD	Min	Max	TEST METHOD	COA
1	Specific Gravity		0.92 (Typical)				
2	Dirt Content @ 325 mesh ( % by mass)	%	-	-	0.20	IS 3660 (Part 1) 1999 ASTM D 1278	+
3	Ash Content @ 550 °C ( % by mass)	%	-	-	1.00	IS 3660 (Part 3) 1988 ASTM D 1278	+
4	Volatile Matter @ 105 °C ( % by mass)	%	-	-	0.80	IS 3660 (Part 2) 1985 ASTM D 1278	+
5	Nitrogen Content ( % by mass)	%	-	-	0.60	IS 3660 (Part 10) 2000 ASTM D 3533	+
6	Initial Plasticity (P0)		-	30	40	IS 3660 (Part 11) 1989 ASTM D 3194	+
7	Plasticity Retention Index (PRI)	%	-	40	-	IS 3660 (Part 12) 1989 ASTM D 3194	+
8	Mean Mooney Viscosity ML (1+4) @ 100 °C	MU	75	70	90	ASTM D 1646	
9	Poly Ethylene (Wrapping Material)						
9.1	Melting Point	°C			110	ASTM D 1519-95	
9.2	Thickness	mm	0.04	0.03	0.05	ASTM D-347	

**General Conditions**

<b>COA</b>	* Will include all properties marked in COA, column by +, will be attached to each consignment
<b>Manufacturing Information</b>	* Production date of the material will be mentioned referring to each lot on the COA
<b>Packing</b>	* Bale weight of 25+/-0.1 Kgs. Wrapping in LDPE
<b>Shelf Life</b>	* 1 year from date of manufacturing.
<b>Others</b>	* MSDS shall be provided once in a year. * Any change in process shall be communicated before supply
<b>Prepared by:</b>	<b>Verified by:</b>
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	<b>Approved by:</b>
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**REVISION HISTORY**

Rev No.	Rev Date	Reason for Revision
-	-	-
-	-	-