



EDATHALA POLYMERS PVT LTD

MATERIAL SPECIFICATION

Doc No: EPPL/SFN/09

Issue No: 04

Issue Dt: 01.06.2018

Material Name:	INDIAN STANDARD NATURAL RUBBER - ISNR 20 (TYRE GRADE)
Material Code:	ISNR 20 (TG)
Composition:	Cis Poly Isoprene
Packing:	25 Kg Bales wrapped in LDPE
Description of Process:	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)	%	-	-	0.16	IS 3660 (Part 1) 1999 ASTM D 1278	+
3	Ash Content @ 550 °C (% by mass)	%	-	-	0.80	IS 3660 (Part 3) 1988 ASTM D 1278	+
4	Volatile Matter @ 105 °C (% by mass)	%	-	-	0.75	IS 3660 (Part 2) 1985 ASTM D 1278	+
5	Nitrogen Content (% by mass)	%	-	-	0.55	IS 3660 (Part 10) 2000 ASTM D 3533	+
6	Initial Plasticity (P0)		-	33	40	IS 3660 (Part 11) 1989 ASTM D 3194	+
7	Plasticity Retention Index (PRI)	%	-	55	-	IS 3660 (Part 12) 1989 ASTM D 3194	+
8	Mean Mooney Viscosity ML (1+4) @ 100 °C	MU	80	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

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

REVISION HISTORY

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