



EDATHALA POLYMERS PVT LTD

MATERIAL SPECIFICATION

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|-------------------------|---|
| Material Name: | INDIAN STANDARD NATURAL RUBBER - ISNR 5 |
| Material Code: | ISNR 5 |
| Composition: | Cis Poly Isoprene |
| Packing: | 25 Kg Bales wrapped in LDPE |
| Description of Process: | Plantation FRESH Rubber coagulum (Fresh Cup lump /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) | % | - | - | 0.05 | IS 3660 (Part 1) 1999 ASTM D 1278 | + |
| 3 | Ash Content @ 550 °C (% by mass) | % | - | - | 0.60 | IS 3660 (Part 3) 1988 ASTM D 1278 | + |
| 4 | Volatile Matter @ 105 °C (% by mass) | % | - | - | 0.80 | S 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 (PO) | | - | 30 | 45 | IS 3660 (Part 11) 1989 ASTM D 3194 | + |
| 7 | Plasticity Retention Index (PRI) | % | - | 60 | - | IS 3660 (Part 12) 1989 ASTM D 3194 | + |
| 8 | Mean Mooney Viscosity ML (1+4) @ 100 °C | MU | 85 | 80 | 100 | 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 |
|---------|----------|---------------------|
| - | - | - |
| - | - | - |