



ASPHALTOPLAST



QMS Certified Firm

Mineral Rubber

Description:

Bitumen, particularly blown bitumen, has been widely used in the rubber industry for many years. Well known experts in the polymer field have in recent years published the results of their scientific investigations. It has thus been possible to develop a mineral rubber specifically for use by polymer compound and to study the properties of resulting compounds. ASPHALTOPLAST is special blown bitumen developed as a result of these findings.

Advantages:

- Lower raw materials cost of compound.
- Increase plasticity.
- Reduce specific gravity.
- Makes for improved dispersion in highly filled compounds.
- Provides protection against oxidation and prevents excessive water and air permeability.
- Good solubility in rubber resulting in homogeneous dispersion.
- Compounds have high electrical resistance.

Method of Use:

In order to achieve perfectly homogeneous incorporation of ASPHALTOPLAST at high loading it is advisable to put chopped or granulated pieces of this material on to the rubber mill (internal mixer) first to form a "cake". The elastomer is added next, also any reclaim. After a short while a smooth polymer Mineral Rubber master bath will be obtained. As the later stages in the mixing cycle are reached the Mineral Rubber will be found to disperse and dissolve smoothly and this in turn will facilitate the subsequent incorporation and correct dispersion of suitable dosages of fillers.

Technical Specifications

| Property | Result | Test Method |
|---------------------------------------|--------------|-------------|
| Appearance | Dark brown | |
| Softening point | 130-140 °C | ASTM D-5 |
| Specific gravity | 1.04 Approx. | |
| Loss of weight after 5 hrs. at 163 °C | 0.1% | |
| Paraffinic constituents | 2% | |
| Ash | 2% Approx. | |
| Flash Point (open crucible) | 280 °C | |

Uses:

ASPHALTOPLAST maybe used in the following fields of application, among others:

- Cable Insulation and Sheathing Compounds.
- Compounds for tires and soles.
- Compounds for high speed extrusion.
- Profiling Compounds.
- All kinds of press-cured mechanicals.
- Hard rubber compounds e.g. battery boxes.
- Anti- drumming compositions.
- Cement, Adhesives, Packing.
- Specialized protective coatings
- Building Industry.

Containers:

ASPHALTOPLAST can be supplied in the form of 20kg bocks wrapped in polyethylene film, suitable for easy depositing.

- This Technical Data are the average results of tests, measurements and trials carried out by LAMA's own laboratory and RSS laboratories according to international standards such as ASTM, B.S and UEAtc.
- This product data sheet supersedes all previous data publications pertaining to this product.
- This data may be changed, improved or modified by LAMA, in accordance with the Client's requirements, availability of raw material, without advance notice.