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SILICONE RELEASING COMPOUND

1 GENERAL

This specification governs the quality of non-melting, translucent silicone compound having a consistency as that of petroleum jelly and retaining essentially the same consistency up to a temperature of 205°C. It shall be heat stable, oxidation-resistant and inert towards metals and plastic materials. It shall be insoluble in water, glycerol and mineral oils.

2 APPLICATION

Used as a parting fluid/releasing agent.

3 COMPLIANCE WITH NATIONAL STANDARDS

There is no Indian Standard covering this material.

4 TEST SAMPLES

0.5 kg of sample shall be supplied for testing and approval.

- 4.1 To draw a representative sample, the contents of the container selected for sampling shall be mixed as thoroughly as possible by shaking or stirring or both or by rolling, so as to bring all portions into uniform distribution.
- 4.2 The samples shall be taken in a suitable, clean, dry air-tight glass bottle of one litre capacity. It should be almost but not completely filled by the sample.
- 4.3 In case of failure of first sample, two samples shall be drawn from other two drums of the same consignment at random and failure of the second sample in complying with the specification will lead to the rejection of the whole consignment.

5 PROPERTIES

- 5.1 **Colour**
Colourless, translucent
- 5.2 **Flash Point**
Not below 330°C
- 5.3 **Consistency**
Soft Greasy

6 SHOP TEST

When applied on the moulds during manufacture of moulding components, the material should release laminates, potting etc. at the processing temperature and time.

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7 TEST CERTIFICATES

Unless otherwise stated, three copies of test certificates shall be supplied along with each consignment giving the following information:

AA55307 (Rev. No. 01): SILICONE RELEASING COMPOUND

BHEL Order No.

Manufacturer's/Supplier's Name

Trade mark, if any,

Batch/Lot No.

Quantity supplied

Date of Manufacture & Expiry

Test results of clauses 5

8 PACKING & MARKING

The material shall be supplied in tubes or in containers of suitable capacity as per the order.

Each container should bear the following information

AA55307: SILICONE RELEASING COMPOUND

BHEL Order No.

Manufacturer's/Supplier's Name

Trade Mark, if any

Date of Manufacture & Expiry

Quantity supplied

9 ENVIRONMENTAL REQUIREMENTS

The supplier shall furnish Material Safety Data Sheet (MSDS) covering all information relating to human safety and environmental impacts of the hazardous materials particularly during their transportation, storage, handling and disposal along with each supply.

Each container shall be marked with corresponding symbol and minimum worded cautionary notice for flammable / corrosive / toxic / harmful / irritant and oxidizing etc. as applicable.

10 REFERRED STANDARDS (Latest Publications Including Amendments)

NIL