
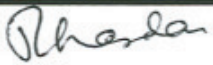


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	<b>PLANT PURCHASING SPECIFICATION BHOPAL</b>	BP 22961
		REV NO. 03
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<b><u>NYLON EXTRUSIONS AND MOULDINGS (TYPE-11)</u></b>		<b>SUPERSEDES BP 22961 Rev.02</b>
<p>1. GENERAL:</p> <p>This specification governs the quality of nylon mouldings made from Type 11 nylon. The material shall be self extinguishing and resistant to alkalies, petroleum products and other common organic solvents but not resistant to concentrated acids and oxidants.</p> <p>2. APPLICATION:</p> <p>Used as gland part assembly in A.C. Machines etc. and used where low moisture absorption is required.</p> <p>3. COMPLIANCE WITH NATIONAL STANDARDS:</p> <p>There is no Indian Standard covering this type of material.</p> <p>4. DIMENSIONS &amp; TOLERANCES:</p> <p>Shall be stated on order or the drawing accompanying the order.</p> <p>5. FINISH:</p> <p>The material shall be smooth and free from surface imperfections and blow holes.</p> <p>6. TEST METHODS:</p> <p>Unless otherwise specified, the tests shall be conducted in accordance with the relevant methods of BS:7663-1993. In case of components, density, water absorption and hardness shall be done on the component itself.</p> <p>7. SAMPLE FOR TEST:</p> <p>Six Nos. of samples in size 3 tk x 150 x 150 mm moulded from the same batch and in the same manner as the consignment concerned, shall be supplied for testing and approval purposes.</p> <p>8. PHYSICAL PROPERTIES:</p> <p>8.1 <u>Density at 27 deg.C</u> : <math>1.05 \pm 0.05</math> g/cc, when determined by any conventional method.</p> <p>8.2 Water Absorption after <math>24 \pm 1</math> hour of water immersion at room temperature: 0.4% Max.</p>		
Revision : Reviewed & Brought Up to date		Issued by :  STANDARDS AND MATERIALS GROUP TECHNICAL SERVICES DEPARTMENT
Rev. 03	Date : 10.09.2007	Date of first Issue : 11.03.1969



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9. MECHANICAL PROPERTIES:

9.1 Tensile Strength (Optional Test) : 60 N/mm<sup>2</sup>, Min.

9.2 In case of rod, the test shall be done in as received condition.

9.3 Hardness (Rockwell 'L') (ASTM D785) : 100 to 108.

10. ELECTRICAL PROPERTIES:

10.1 Electric Strength (BDV) at Room Temp.:

Unless otherwise specified on the drawing, BDV value shall be 15 kv/mm on a 3 mm thick test specimen.

11. CHEMICAL PROPERTIES:

11.1 Identification of Material :

The material shall be nylon when identified by Infra Red Spectrophotometer or by any conventional method.

12. TEST CERTIFICATES:

Unless otherwise specified, three copies of test certificates shall be supplied with each consignment.

In addition, the supplier shall ensure to enclose one copy of test certificate along with their dispatch documents to facilitate quick clearance of the material

The test certificate shall bear the following information:

BP 22961 : Nylon Extrusions and Mouldings (Type 11).

Rev.03

Our Order No.

Batch/Lot No.

Test values obtained/certificate for compliance for clause 5 and 8 to 11.

13. PACKING AND MARKING:

The nylon extrusions and mouldings shall be suitably packed to avoid contamination and damage in transit. Packages shall be labelled with the following information.

BP 22961 : Nylon Extrusions and Mouldings (Type 11).

Our Order No.

Supplier's/Manufacturer's Name and Grade.

Date of Manufacture.

Drawing and item nos.

Net and Gross Weight.