



Specification for Nylon tubing

Part 1. Fully plasticized nylon tubing types 11 and 12
for use primarily in pneumatic installations

Spécification des tubes en nylon

Partie 1. Tubes en nylon complètement plastifié, types 11 et 12,
à utiliser surtout dans les installations pneumatiques

Spezifikation für Nylonrohre

Teil 1. Vollplastizierte Nylonrohre, Typen 11 und 12, mit
Hauptverwendung in pneumatischen Anlagen

BS 5409 : Part 1 : 1976

Contents

	Page		Page
Foreword		Tables	
Cooperating organizations	Inside front cover Back cover	1. Tubing dimensions: light duty grade	1
Specification		2. Tubing dimensions: normal duty grade	1
1. Scope	1	3. Recommended working pressure at various temperatures and minimum installation radius: light duty grade	2
2. References	1	4. Recommended working pressure at various temperatures and minimum installation radius: normal duty grade	2
3. Material	1	5. Pressure utilization factor at various temperatures	2
4. Designation of tubing	1	6. Burst test pressure	2
5. Dimensions	1	7. Type tests	3
6. Working pressures and installation radii	1	8. Batch tests	3
7. Physical characteristics	2	9. Immersion times for boiling water conditioning	4
8. Special requirement for heat and light stability	2	10. Slot width of impact test apparatus	5
9. Frequency of testing	3		
10. Marking	3	Figure	
Appendices		1. Falling weight apparatus	5
A. Method of conditioning tubing prior to test	4		
B. Method for the determination of moisture absorption	4		
C. Method for the determination of resistance to zinc chloride solution	4		
D. Methods of heat ageing	4		
E. Method for falling weight testing	4		
F. Method for the determination of low temperature flexibility	5		
G. Method for the determination of burst pressure	6		
H. Method of exposure to heat and ultraviolet radiation	6		

Foreword

This British Standard is published under the authority of the Plastics Standards Committee. It has been prepared to provide a national standard for plasticized nylon tubing for use primarily in pneumatic installations in conjunction with the compression type fittings used. Part 1 is not intended to cover tubing for use in contact with beverages or foodstuffs, nor is it suitable for domestic central heating systems.

Tubing containing reinforcing agents or fillers is not within the scope of this standard.

In the preparation of this Part attention has been paid to standards prepared by Comité Européen des Transmissions Oléo-Hydrauliques et Pneumatiques (CETOP).

It is intended to prepare further Parts of this standard as follows:

Part 2 Plasticized and unplasticized nylon tubing types 11 and 12, for use primarily in the automotive industry

Part 3 Unplasticized nylon tubing types 6 and 66.