

---

---

**Rubber hoses and tubing for cooling  
systems for internal-combustion  
engines — Specification**

*Tubes et tuyaux en caoutchouc pour systèmes de refroidissement pour  
moteurs à combustion interne — Spécifications*





**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
copyright@iso.org  
www.iso.org

# Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Classification</b> .....	<b>2</b>
<b>4 Size and tolerances</b> .....	<b>2</b>
<b>5 Performance requirements for hose and tubing</b> .....	<b>2</b>
<b>6 Frequency of testing</b> .....	<b>5</b>
<b>7 Marking</b> .....	<b>6</b>
<b>Annex A (normative) Dilation test</b> .....	<b>7</b>
<b>Annex B (normative) Resistance to surface contamination by engine oil</b> .....	<b>8</b>
<b>Annex C (normative) Pressure, vibration and temperature test</b> .....	<b>9</b>
<b>Annex D (informative) Example of how a non-standard type of hose or tubing could be specified by an original equipment manufacturer (OEM) using a matrix</b> .....	<b>11</b>
<b>Annex E (normative) Type test</b> .....	<b>12</b>
<b>Annex F (normative) Routine test</b> .....	<b>13</b>
<b>Annex G (informative) Production acceptance test</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>15</b>