

TECHNICAL SPECIFICATION

ISO/TS
16096

First edition
2014-04-15

Reclaimed isobutene-isoprene (IIR) rubber — Evaluation procedure

*Caoutchouc isobutène-isoprène (IIR) régénéré — Méthode
d'évaluation*



Reference number
ISO/TS 16096:2014(E)

© ISO 2014



COPYRIGHT PROTECTED DOCUMENT

© ISO 2014

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
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Sampling and sample preparation	1
4 Physical and chemical tests on raw rubber	2
4.1 Mooney viscosity	2
4.2 Acetone extract	2
4.3 Ash	2
4.4 Carbon black	2
4.5 Rubber content	2
5 Preparation of test mix for evaluation	2
5.1 Standard test formulation	2
5.2 Mixing procedure — Mixing with a laboratory mill	3
6 Evaluation of vulcanization characteristics by a curemeter test	4
6.1 Using an oscillating disc curemeter	4
6.2 Using a rotorless curemeter	5
7 Evaluation of Mooney viscosity of test mixes	5
8 Evaluation of tensile stress-strain properties of vulcanized test mixes	5
9 Evaluation of Shore hardness of vulcanized test mixes	5
10 Test report	5