

ISO 2393:2014-03 (E)

Rubber test mixes - Preparation, mixing and vulcanization - Equipment and procedures

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Compounding ingredients	2
5	Preparation of materials	2
5.1	Batch masses	2
5.2	Weighing tolerances	2
5.3	Carbon black conditioning	2
6	Mixing equipment	2
6.1	Mixing mill	2
6.2	Laboratory internal mixer	3
7	Mixing procedures	4
7.1	General	4
7.2	Mill mixing procedure	4
7.3	Laboratory internal mixer mixing procedure	5
8	Preparation of standard vulcanized sheets for dumb-bell test pieces	7
8.1	Conditioning of batches and blank preparation	7
8.2	Vulcanization equipment	8
8.3	Vulcanization procedure	10
9	Preparation of standard vulcanized discs for ring test pieces	11
9.1	Conditioning of batches and blank preparation	11
9.2	Vulcanization equipment	11
9.3	Vulcanization procedure	12
10	Precision	12
Annex A (informative) Precision statement for both mill and internal mixer		14
Annex B (informative) Internal mixer parameters and operating conditions for the three interlaboratory test programmes		21
Annex C (informative) Further analysis of the ITP data		23
Bibliography		24