

MR TERRY SCHROEDER
MASTERDRIVE INC
W8622 WILLIS RAY ROAD
WHITEWATER WI 53190

2345 S. 170th Street
New Berlin, Wisconsin 53151-2701 USA
Telephone : (262) 782-6344
Toll Free : (800) 726-6385
Telefax : (262) 782-3653
E-Mail : stork.technimet@stork.com
Website : www.storktechnimet.com

Report No. : 0306-07284 **Your Ref.** : 479
Date : 6/27/03 **Received** : 6/24/03
Subject : **REVISED** - Tensile Evaluation of Twelve (12) Samples

Tensile and Hardness Test Results

Sample ID	2VP60 (#5) Masterdrive	BK100 (#8) Masterdrive	2VP60 (#12) Browning	BK100 (#13) Browning	MB78 (#15) Maska	8550 (#17) Maska
Original dimension, in.	0.502	0.246	0.503	0.343	0.350	0.351
Original area, sq. in.	0.1979	0.0475	0.1987	0.0924	0.0962	0.0968
Tensile load, lbs.	5,570	1,674	5,620	3,420	2,660	1,980
Tensile strength, lbs./sq. in.	28,100	35,200	28,300	37,000	27,700	20,500
Brinell Hardness, HBW	183	201	187	167	170	156
Class No.	25	35	25	35	25	20

Tested in accordance with ASTM E 8-01 and E 10-01.

Tensile and Hardness Test Results

Sample ID	2VP60 (#19) Dodge	BK100 (#20) Dodge	2VP60 (#23) TB Woods	BK100 (#25) TB Woods	D8550LA (#27) Maurey	BC83 (#29) Maurey
Original dimension, in.	0.502	0.345	0.495	0.343	0.352	0.350
Original area, sq. in.	0.1979	0.0935	0.1924	0.0924	0.0973	0.0962
Tensile load, lbs.	3,570	3,350	5,380	2,900	1,030	2,830
Tensile strength, lbs./sq. in.	18,000	35,800	28,000	31,400	10,600	29,400
Brinell Hardness, HBW	156	192	167	192	79.6 ⁽¹⁾	159
Class No.	(2)	35	25	30	(2)	(2)

Tested in accordance with ASTM E 8-01 and E 10-01.

(1) D8550LA (#27) Maurey is too soft for standard 3,000 kg load Brinell; tested with a 500 kg load. The hardness is 79.6 HBW 10/500/30.

(2) The tensile strength falls below the minimum requirement for Class 20 iron.

It is our policy to retain components and sample remnants for a minimum of 30 days from the report date, after which time they may be discarded. The data herein represents only the item(s) tested. This report shall not be reproduced, except in full, without prior permission of Stork Technimet, Inc.

Electronic Document.
Original Contains Signature.

Signed:

Gregory Sylvester
Physical Test Lab Supervisor