College of Engineering

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#	Material	Thickness	Source of data/ Report
1	ST 1403	1 mm	CPF-4.2b/06/01 (ERC/NSM-05-R-21) CPF-4.2b/ 07/01
2	SS 201	0.25 mm	ERC/NSM-08-R-01
3	SS 301	0.25 mm	ERC/NSM-08-R-01
4	SS 304	1 mm	CPF- 1.1/06/03
5	SS 409	-	Determination of flow stress and anisotropy of sheet metals using the Viscous Pressure Bulge (VPB) test, May 2005 (Presentation on www.ercnsm.org)
6	AKDQ	0.83 mm	CPF-2.1/06/01 CPF-2.1/07/01
7	AKDQ	0.72 mm	CPF-2.3/07/02
8	AKDQ	-	Determination of flow stress and anisotropy of sheet metals using the Viscous Pressure Bulge (VPB) test, May 2005
9	AISI 1018	2.13 mm	CPF-2.3/06/06 (ERC/NSM-05-R-06)
10	1050	-	Determination of flow stress and anisotropy of sheet metals using the Viscous Pressure Bulge (VPB) test, May 2005
11	DDS	0.77 mm	CPF-2.1/07/01
12	DR 210	1 mm	CPF-2.1/06/02 (ERC/NSM-05-R-45)
13	AMS 5504	-	Determination of flow stress and anisotropy of sheet metals using the Viscous Pressure Bulge (VPB) test, May 2005
14	BH 210	-	Precision Forming- Application of Process Simulation & Case Studies, April 2008
15	DP 500	-	Precision Forming- Application of Process Simulation & Case Studies, April 2008
16	DP 590	1.24 mm	CPF- 2.3/07/03 CPF- 2.3/07/02
17	DP 600	1 mm	CPF-2.3/07/02
18	DP 600	1 mm	ERCNSM-08-R-03
19	DP 600	0.6 mm	CPF- 1.4/07/03 CPF- 2.1/07/01
20	DP 780	1 mm	ERCNSM-08-R-03 CPF-2.3/07/02
21	CR DP 780	1 mm	ERCNSM-08-R-03
22	TRIP 780	1 mm	ERCNSM-08-R-03 CPF- 2.3/07/02
23	HY DP 780	1 mm	ERCNSM-08-R-03
24	DP 980	1 mm	CPF-2.3/07/02
25	Bare DP 980 Y-type X	1.4 mm	Honda Not published yet

26	Bare DP 780 T-Si type	1.2 mm	Honda Not published yet
27	GA DP 780 T- AI Type	1.2 mm	Honda Not published yet
28	GA DP 780 Y-type U	1.2 mm	Honda Not published yet
29	GA DP 780 Y-type V	1.2 mm	Honda Not published yet
30	AA5754-O	1 mm	CPF- 1.1/08/01 CPF- 1.1/08/04 (obtained by a new optimization methodology developed at the CPF)
31	AA5754-O	1.3 mm	CPF- 2.1/07/01 CPF- 1.1/08/01 CPF- 1.1/08/04 (obtained by a new optimization methodology developed at the CPF)
32	AA 6111	1.04 mm	CPF- 2.1/06/01
33	AZ31B-O	1.2 mm T: Room temp. to 225 ^{o}C Strain rate: 0.025 to 0.25 1/s	CPF 1.1/ 06/ 01 (ERC/NSM-04-R-35) [Kaya, 2008]
34	AZ31B	-	Determination of flow stress and anisotropy of sheet metals using the Viscous Pressure Bulge (VPB) test, May 2005 (Presentation on www.ercnsm.org)
35	DQS-270F GA-Phosphase coated	0.75 mm	CPF 2.5/09/01-a
36	DQS-270D GA-Phosphase coated	0.75 mm	CPF 2.5/09/01-a
37	Aluminum X626-T4P	0.95 mm	CPF 2.5/09/01-a

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