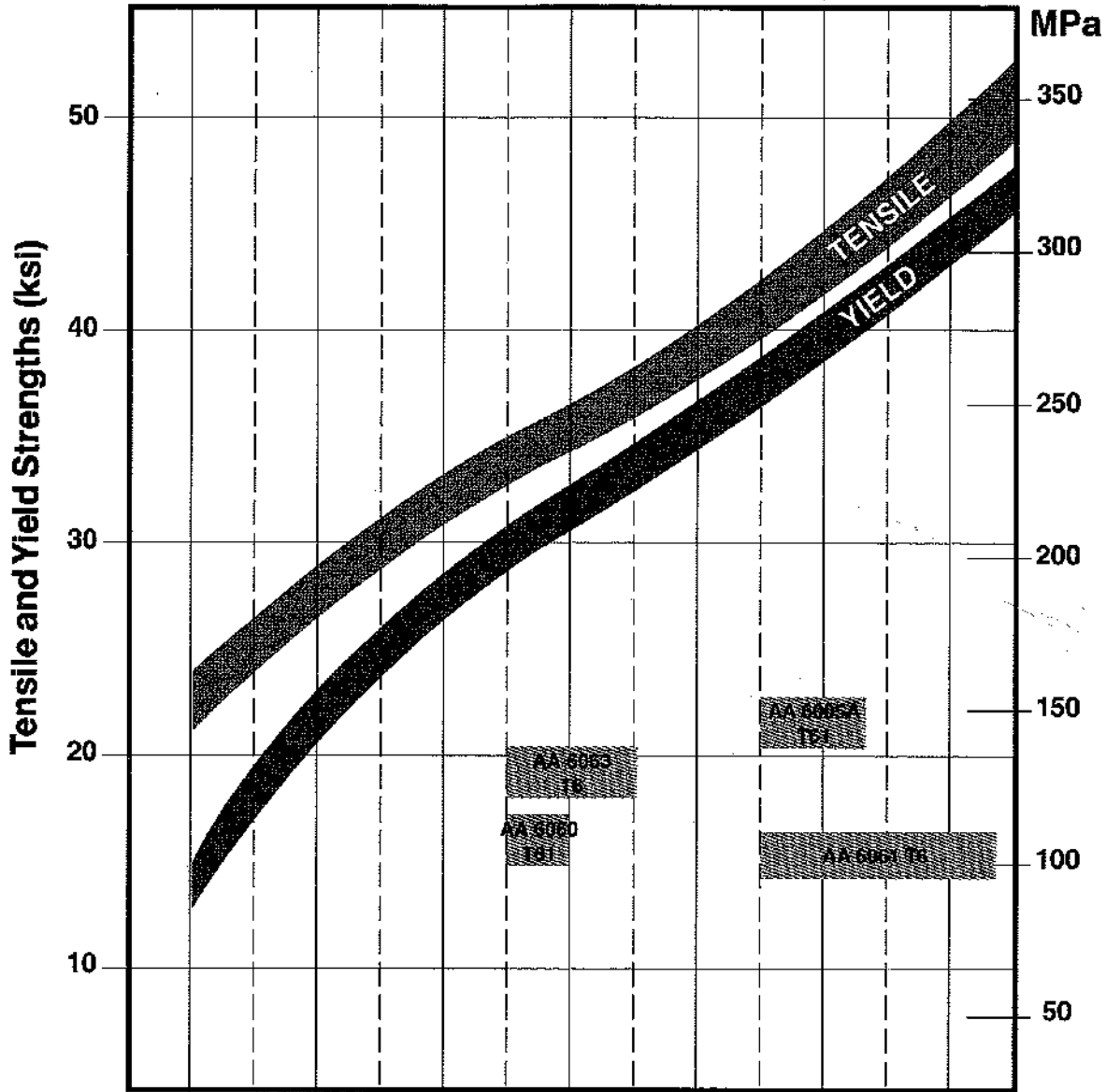


Hardness - Tensile Property Conversion Sheet for Age Hardened Al-Mg-Si Extrusion Alloys

ALCAN
INGOT



Brinell (10mm Steel Ball Penetrator - 500kg loading)	45	50	55	60	65	70	75	80	85	90	95	100	105	110
Vickers (Diamond Penetrator - Various Loadings)	46	51	56	61	66	71	76	82	87	92	98	103	109	115
Rockwell 'F' (1/16" Steel Ball Penetrator - 60kg Loading)	36	46	54	61	67	71	76	79	82	85	87	89	91	-
Rockwell 'E' (1/8" Steel Ball Penetrator - 100kg Loading)	47	55	62	68	72	77	80	83	86	88	90	92	94	96
Webster (Model 'B')	5	7	9	10	11	12	13	13-14	14-15	15	15-16	16	16-17	17
Barcol * (GYZJ-934-1)	60	63	66	68	70	72-73	75	76	77	79	80	82	83	84
HARDNESS NUMBER														

This conversion sheet is no more than a rough guide and no liability can be accepted in this connection by Alcan Ingot. Where required by a specification, tensile properties should always be established using recognized tensile testing procedures.
* Barber Colman Co. Tel: 815-637-3549

