

Yield of barrel LMT production

Length: 860	Requested: 140	Last barcode: 156	Yield: 0.90
Length: 908	Requested: 60	Last barcode: 072	Yield: 0.83
Length: 979	Requested: 90	Last barcode: 119	Yield: 0.76
Length: 1014	Requested: 100	Last barcode: 119	Yield: 0.84
Length: 1085	Requested: 40	Last barcode: 058	Yield: 0.69
Length: 1145	Requested: 150	Last barcode: 168	Yield: 0.89
Length: 1193	Requested: 60	Last barcode: 084	Yield: 0.71
Length: 1236	Requested: 70	Last barcode: 120	Yield: 0.58
Length: 1276	Requested: 120	Last barcode: 144	Yield: 0.83
Length: 1307	Requested: 140	Last barcode: 156	Yield: 0.90
Length: 1345	Requested: 100	Last barcode: 204	Yield: 0.49
Length: 1393	Requested: 150	Last barcode: 192	Yield: 0.78
Length: 1441	Requested: 150	Last barcode: 168	Yield: 0.89
Length: 1488	Requested: 140	Last barcode: 204	Yield: 0.69
Length: 1546	Requested: 160	Last barcode: 180	Yield: 0.89
Length: 1582	Requested: 140	Last barcode: 168	Yield: 0.83
Length: 1627	Requested: 76	Last barcode: 096	Yield: 0.79
Length: 1661	Requested: 114	Last barcode: 204	Yield: 0.56
Length: 1698	Requested: 80	Last barcode: 096	Yield: 0.83
Length: 1769	Requested: 110	Last barcode: 203	Yield: 0.54
Length: 1840	Requested: 110	Last barcode: 144	Yield: 0.76
Length: 1909	Requested: 80	Last barcode: 096	Yield: 0.83
Length: 1945	Requested: 100	Last barcode: 132	Yield: 0.76
Length: 2016	Requested: 80	Last barcode: 096	Yield: 0.83
Length: 2085	Requested: 80	Last barcode: 106	Yield: 0.75

Yield = (Requested)/(Last barcode)

All requested: 2640, All produced: 3485 Yield = $2640/3485 = 0.76$

Electrically tested: 2980, OK: 2828, Yield = $2828/3485 = 0.81$

Analysis of fall out at the electrical test stage:

- visual inspection 80
- high voltage 35 ($I > 10 \text{ nA}$)
- inter line resistance 20 ($R < 100 \text{ MOhm}$)
- line resistance 17 ($R_{\text{Thick}} > 0.15, R_{\text{Thin}} > 1.7 \text{ Ohm/m}$)

Total lost at electrical test stage 152