

MoLa SHEET PRODUCTS MATERIAL DATA SHEET

Elmet Technologies manufactures high quality Mo-0.7 wt.% La₂O₃ foil, sheet, and plate for use in furnace components and other applications that require high strength and creep resistance at high temperatures.

DIMENSIONAL PROPERTIES

STANDARD PRODUCT SIZES

Thickness	Condition	Finish	Maximum Length & Width
>0.005-0.030"	Cold rolled	Satin	159" x 24"
>0.030-0.040"	Cold rolled	Satin	120" x 24"
>0.040-0.050"	Cold rolled	Satin	95" x 24"
>0.050-0.060"	Cold rolled	Satin	80" x 24"
>0.060-0.1875"	Hot rolled	Clean, Ground	96" x 24"
>0.1875-0.250"	Hot rolled	Clean, Ground	46" x 24"
>0.250-0.500"	Hot rolled	Clean, Ground	24" x 24"
>0.500-1.00"	Hot rolled	Clean, Ground	14" x 24"

Other sizes and properties available as special order

CHEMICAL COMPOSITION

Mo	≥ 99.15 wt%	La	0.50-0.75 wt%
La ₂ O ₃	0.7 wt% nominal	N	≤ 20 ppm
C	≤ 50 ppm	Ni	≤ 50 ppm
Cr	≤ 50 ppm	O (inclusive of La ₂ O ₃)	≤ 1250 ppm
Fe	≤ 50 ppm	Si	≤ 25 ppm
K	≤ 30 ppm	W	≤ 300 ppm

All other metallic elements are contained at ≤ 20 ppm
Other chemistries may be available as special order
All products are compliant with EU RoHS Directive 2002/95/EC, 2011/65/EU

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STANDARD PRODUCT SIZES

Thickness	Condition	Finish	Maximum Length & Width
>0.12-0.76 mm	Cold rolled	Satin	400 x 60 cm
>0.76-1.00 mm	Cold rolled	Satin	300 x 60 cm
>1.00-1.27 mm	Cold rolled	Satin	240 x 60 cm
>1.27-1.52 mm	Cold rolled	Satin	200 x 60 cm
>1.52-4.76 mm	Hot rolled	Clean, Ground	240 x 60 cm
>4.76-6.35 mm	Hot rolled	Clean, Ground	120 x 60 cm
>6.35-12.7 mm	Hot rolled	Clean, Ground	60 x 60 cm
>12.7-25.4 mm	Hot rolled	Clean, Ground	36 x 60 cm

Other sizes and properties available as special order

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