

Product data sheet



Product: DP152
DECO PRIME 152
Lumenal Mat

4700/0552/002/06.17

| | | |
|-----------------|--------------|--|
| Alloy | ¹ | Aluminium / 1090 to 1050 clad material |
| Hardness | ² | hard |

| | | |
|------------------------|------|----------------------|
| Treatment front side | (S1) | brightened, anodised |
| Treatment reverse side | (S2) | anodised |

Iridescence assessment (S1) reduced Iridescence

Supply form

| | | |
|-------------|--------|---|
| Thickness | [inch] | Coil, strip, sheet, blanks 0.0118 - 0.0472 |
| Width up to | [inch] | 49.2126 |

Mechanical Properties

| | | |
|-------------------------|-------|---------------------------|
| Yield strength Rp 0,2 | [ksi] | 18.9 - 23.9 |
| Tensile strength Rm | [ksi] | 20.3 - 25.4 |
| Elongation at break A50 | [%] | ≥ 2 |
| Bending radius | | ≥ 1.5 x gauge of material |

Tolerances

| | | |
|------------------------|--------|---|
| Thickness | [inch] | 0.0118 - 0.0197 ± 0.0016 |
| | [inch] | 0.0201 - 0.0236 ± 0.0020 |
| | [inch] | 0.0240 - 0.0394 ± 0.0024 |
| | [inch] | 0.0398 - 0.0472 ± 0.0028 |
| Width/Coil | [inch] | + 0.1181 / - 0.0000 |
| Width Slit Coil | [inch] | ± 0.0079 standard |
| Longitudinal Curvature | [inch] | ≤ 0.0394 on a measuring length of 39.3700 |
| Length | [inch] | 0.0000 - 23.6220 + 0.0394 / - 0.0000 |
| | [inch] | 23.6221 - 59.0551 + 0.0591 / - 0.0000 |
| | [inch] | 59.0552 - 98.4252 + 0.0984 / - 0.0000 |
| | [inch] | 98.4253 - 137.7953 + 0.1378 / - 0.0000 |
| Flatness | [%] | 1 % of wavelength, max. 0.3150 [inch] |
| Transversal Divergency | [inch] | ≤ 0.0591 (D1-D2) other tolerances on request |

Protective Film

| | | |
|---------------------------|------|-----------|
| Protective Film Type | [-] | PE - Film |
| Protective Film Thickness | [µm] | 50 - 60 |

¹ based on DIN EN 573-3 (Aluminium) resp. Rolling mill standard

² based on DIN EN 485-2 (Aluminium) resp. Rolling mill standard

