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YOUR CUSTOM

PRINTING & PACKAGING **PARTNER** FOR SMALL AND **MEDIUM BUSINESSES**

[illegible]: [illegible]

Details

[illegible]: [illegible] 2 [illegible] 0.18–0.30 mm [illegible]

[illegible]?

[illegible] “[illegible]” [illegible]: [illegible] 0.21 mm [illegible] 0.25 mm [illegible]

[illegible] 0.23 mm [illegible] 0.28 mm [illegible] 22% [illegible] 80% [illegible] 0.05 mm [illegible]

[illegible] ([illegible]) [illegible]

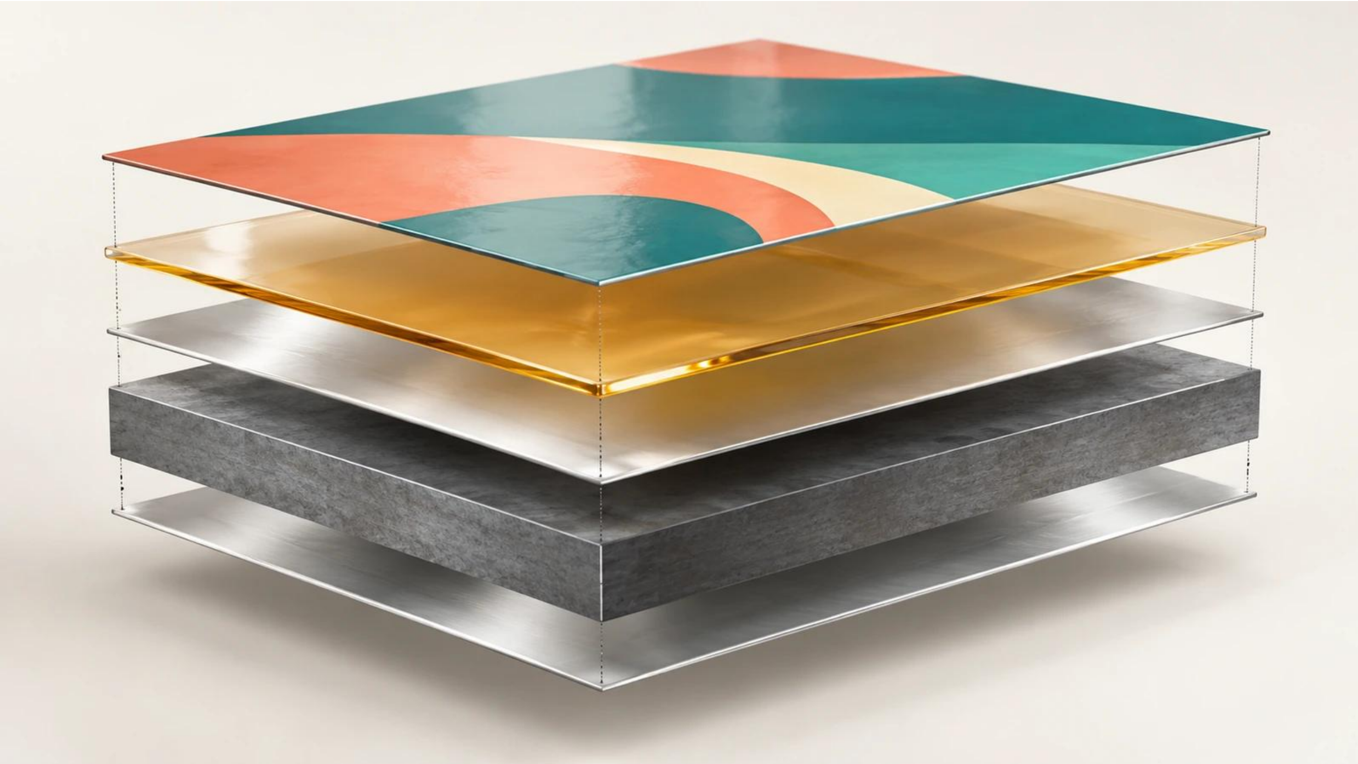
[illegible]

1. [illegible]?
2. [illegible] 2 [illegible]
3. [illegible]
4. [illegible] (FAQ)
5. [illegible]
6. [illegible]
7. [illegible]

[illegible]?

[illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] EN 10202[1]. [illegible] [illegible] tin mill [illegible] ASTM A623[2] [illegible] single-reduced [illegible] double-reduced



[illegible]

- **[illegible]:** [illegible] ([illegible] 0.23 mm) [illegible] [illegible] [illegible] [illegible] [illegible] base box [illegible] base box [illegible] 112 [illegible] 14 × 20 in [illegible] base box [illegible] 0.0028 mm [illegible] 82 lb [illegible] 0.23 mm [illegible] 100 lb [illegible] 0.28 mm [illegible] [illegible] “[illegible]”
- **[illegible]:** [illegible] [illegible] ASTM [illegible] T-1 ([illegible] [illegible] Rockwell HR30Tm [illegible] 49) [illegible] T-6 ([illegible] [illegible] 70) EN 10202 [illegible] [illegible] TS230 [illegible] TH415
- **[illegible]:** [illegible] single-reduced (SR) [illegible] [illegible] [illegible] double-reduced (DR) [illegible] [illegible] [illegible] [illegible]
- **[illegible]:** [illegible] g/m² [illegible] 2.8/2.8 [illegible] [illegible] 5.6/2.8 [illegible] [illegible] 2.8 g/m² [illegible] 0.38 µm [illegible] 0.2% [illegible] 0.23 mm [illegible] [illegible]

[illegible] 2 [illegible] ([illegible]) [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 2 [illegible] [illegible] [illegible] [illegible]

[illegible] 2 [illegible]

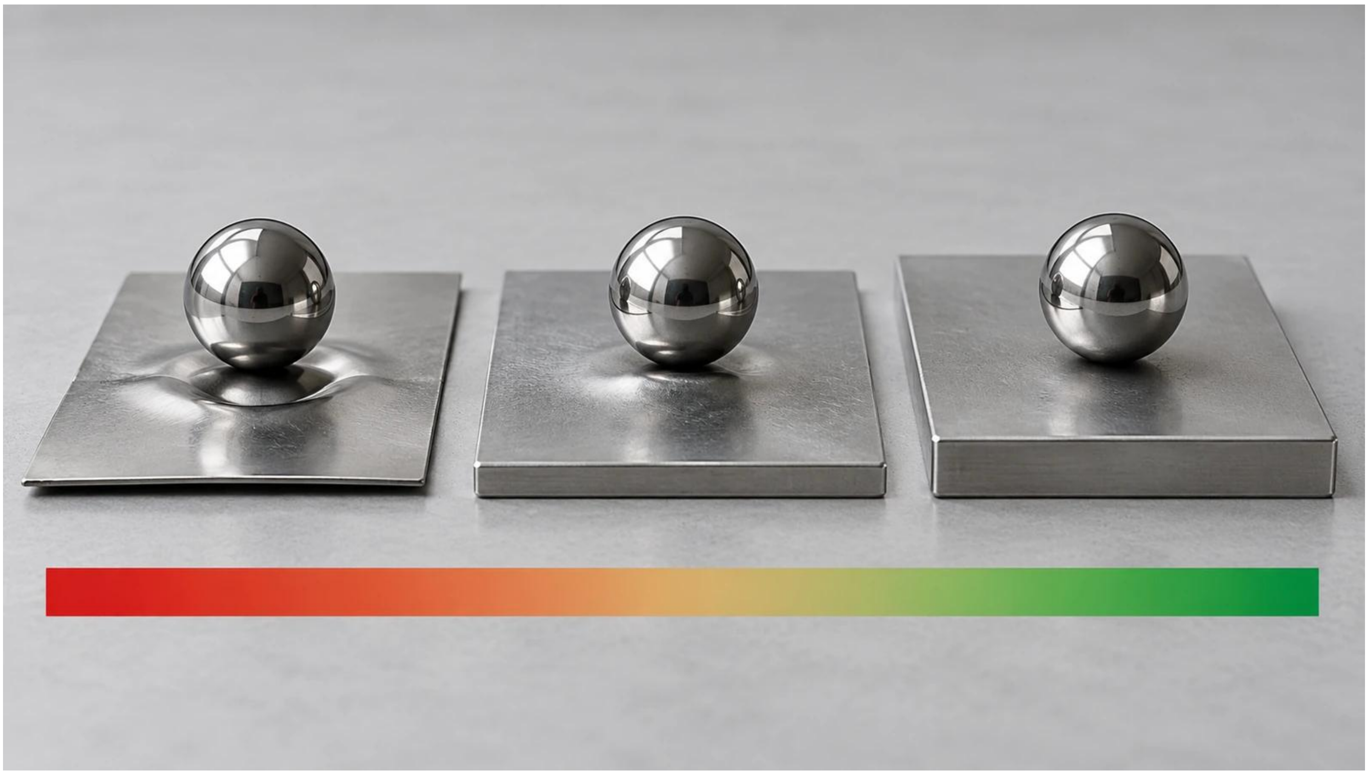
[illegible] 1: [illegible]

[illegible] (40 g [illegible] 600 g [illegible])

[illegible] 2: [illegible]

[illegible] 7.85 g/cm³ [illegible] 1.57 kg [illegible] 0.20 mm 1.81 kg [illegible] 0.23 mm 1.96 kg [illegible] 0.25 mm [illegible] 2.20 kg [illegible] 0.28 mm [illegible]

[illegible] 0.20 mm [illegible] 0.25 mm [illegible] (×1.95) [illegible] 0.23 mm [illegible] 0.28 mm [illegible] 80% [illegible] “oil-canning” ([illegible]) [illegible]



[illegible] 3: [illegible]

[illegible]

[illegible]

- **[illegible]:** [illegible] (T-1 [illegible] T-3) [illegible]
- **[illegible]:** [illegible]
- **[illegible]:** [illegible] 0.01 mm [illegible] 0.02 mm [illegible]

⚠ [illegible]

[illegible] DR [illegible]

[illegible] 4: [illegible]

[illegible] 2.8/2.8 g/m² [illegible]

[illegible] A (BPA) [illegible] Food Packaging Forum [illegible] [3]. [illegible] [4] [illegible] BPA [illegible]:

- [illegible] FDA 21 CFR 175.300[5].
- [illegible] Regulation (EC) No 1935/2004[6].
- Regulation (EU) 2024/3190[7] [illegible] BPA [illegible]

[illegible] Toxics in Packaging [illegible] 100 ppm[8]. [illegible] ([illegible] BPA-NI [illegible] “BPA non-intent”) [illegible] “food grade” [illegible]

[illegible] 5: [illegible]

[illegible] [illegible]

- [illegible] [illegible] [illegible]
- [illegible] [illegible] [illegible]
- [illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible] [illegible] ASTM D3359[9] [illegible] 0B ([illegible]) [illegible] 5B ([illegible]) [illegible] [illegible] 4B [illegible] [illegible] [illegible] [illegible] [illegible][10] [illegible] [illegible] “[illegible] [illegible] ‘gold standard’”

[illegible] 6: [illegible]

[illegible] [illegible]:

- [illegible] [illegible] [illegible] [illegible]
- [illegible]
- [illegible]
- [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] 2 [illegible] [illegible]

[illegible] [illegible] [illegible]

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.18–0.21 mm	64–75 lb/bb	1.41–1.65 kg/m²	[illegible] [illegible] [illegible]	[illegible] [illegible] oil-canning

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
0.23–0.25 mm	82–89 lb/bb	1.81–1.96 kg/m²	[illegible]	[illegible]
0.28–0.30 mm	100–107 lb/bb	2.20–2.36 kg/m²	[illegible]	[illegible] 80% [illegible] 0.23 mm [illegible] 20–30%

[illegible] **ASTM**	[illegible] **HR30Tm**	[illegible]	[illegible] **2** [illegible]
T-1 / T-2	~49 / ~53	[illegible]	[illegible]
T-3	~57	[illegible]	[illegible]
T-4 / T-5	~61 / ~65	[illegible]	[illegible]
T-6 [illegible] DR	~70 [illegible]	[illegible]	[illegible]

[illegible] ([illegible])

[illegible] 2.9 [illegible] (2.70 [illegible] 7.85 g/cm³) [illegible] 3 [illegible] ([illegible] 70 GPa [illegible] 205 GPa) [illegible] 0.23 mm [illegible] 0.33 mm [illegible] 50% [illegible] (ECCS [illegible]) [illegible]

[illegible]	[illegible]	[illegible]	[illegible] **(ECCS)**
[illegible]	7.85 g/cm³	2.70 g/cm³	7.85 g/cm³
[illegible]	0.23 mm ([illegible])	~0.33 mm	0.23 mm
[illegible]	~1.81 kg/m²	~0.89 kg/m²	~1.81 kg/m²
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] (Eddy-current)	[illegible]

[illegible] (EU) 2025/40 [illegible] [illegible][11] [illegible] 12 [illegible] 2026 [illegible] [illegible].

[illegible] (FAQ)

FAQ: [illegible]?

[illegible] 0.18–0.21 mm [illegible] 0.23 mm [illegible]

FAQ: [illegible]**?**

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

FAQ: “T-3” [illegible]**?**

[illegible] ASTM [illegible] Rockwell HR30Tm [illegible] 57 [illegible] [illegible] [illegible] T-4 [illegible] T-6 [illegible] T-1 [illegible] T-2 EN 10202 [illegible] TS260

FAQ: [illegible]**?**

[illegible] [illegible] 0.01 mm [illegible] 0.02 mm [illegible] [illegible]

FAQ: [illegible] [illegible]**?**

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

FAQ: [illegible]**?**

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

[illegible]

- [illegible] [illegible] — 1 lb [illegible] base box ≈ 0.0028 mm [illegible] 82 lb ≈ 0.23 mm ([illegible])
- [illegible] [illegible] [illegible] [illegible] [illegible] — [illegible] ASTM [illegible] HR30Tm [illegible] 49 (T-1) [illegible] 70 (T-6) ([illegible])
- [illegible] **EU** — [illegible] EN 10202 [illegible] TS230 [illegible] TH415 [illegible] MPa ([illegible])
- [illegible] [illegible] — [illegible] ASTM D3359 [illegible] 0B [illegible] 5B [illegible] 4B [illegible] ([illegible])
- [illegible] — [illegible] BPA [illegible] EU [illegible] [illegible] Regulation (EU) 2024/3190 ([illegible])
- [illegible] — [illegible] Pb, Cd, Hg [illegible] Cr(VI) ≤ 100 ppm [illegible] Toxics in Packaging ([illegible])
- [illegible] **EU** [illegible] — PPWR [illegible] [illegible] 12 [illegible] 2026 ([illegible])

[illegible]

[illegible]

[illegible] g/m² [illegible] [illegible 2] [illegible]

[illegible]

1. EN 10202, [illegible] *tinmill* [illegible] — [illegible]/[illegible], [illegible] (CEN) ↩
2. ASTM A623/A623M, [illegible] *tin mill:* [illegible], ASTM International ([illegible] A624 [illegible] A626 [illegible] single-reduced [illegible] double-reduced) ↩
3. Food Packaging Forum, “Can coatings,” [illegible] https://foodpackagingforum.org/resources/background-articles/can-coatings ↩
4. [illegible], PubMed Central ([illegible]) https://pmc.ncbi.nlm.nih.gov/articles/PMC7270472/ ↩
5. [illegible] (U.S. Food and Drug Administration), 21 CFR 175.300, [illegible]. ↩
6. Regulation (EC) No 1935/2004 [illegible] ↩
7. Commission Regulation (EU) 2024/3190 [illegible] A [illegible] ↩
8. Toxics in Packaging Clearinghouse, Model Toxics in Packaging Legislation ([illegible] 100 ppm) ↩
9. ASTM D3359, [illegible], ASTM International ↩
10. Reddit r/startups, “Question about custom tin packaging,” 5 [illegible] 2016 https://www.reddit.com/r/startups/comments/494udj/question_about_custom_tin_packaging/ ↩
11. [illegible], Directorate-General for Environment, “Packaging waste.” https://environment.ec.europa.eu/topics/waste-and-recycling/packaging-waste_en ↩

[illegible] 21, 2026