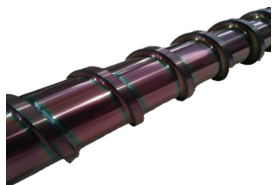


SUPERLATTICE-OX

CrXN

SUPERLATTICE-OX



SUPERLATTICE-OX is an innovative Lafer coating that generates a **protective layer for polished and complex surfaces for the compostable, organic, recycled and wood loaded plastic molding industry.**

SUPERLATTICE-OX makes the surface naturally anti adhesive with an anti bonding effect, greatly improves wear resistance and protects the surface from scratches Suitable for use on mirror polished surfaces that print transparent or semi transparent materials.

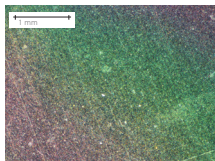
MAIN APPLICATION

- Molding and extrusion of plastics

COATING PROPERTIES

VISUAL FEATURES

Surface



Values **Measurement parameters of color**
 According to ISO11664-4

Multicolor L* Brightness

Multicolor a* Color coordinate

Multicolor b* Color coordinate

NOTES:

Non-functional requirement, indicative values

PHYSICAL FEATURES

| Measure | Values | Measurement |
|---------------------------|----------------|--|
| Coating thickness* | 2 ÷ 6 µm | Calotest on sample Nanoindentation 20mN/20s |
| Coating hardness*** | 2600 ± 200 HV | From sample with Ra < 0,03µm |
| Roughness Ra** | 0,06 ÷ 0,11 µm | Pin on disk, dry, against Al ₂ O ₃ |
| Coefficient of friction** | 0,3 ÷ 0,4 | |

NOTES:

- * depends on the application.
- ** depends on the test conditions.
- *** depends on the substrate steel, without white layer

TECHNOLOGICAL FEATURES

| | |
|-----------------------------|-----------|
| Coating technology | Arc |
| Chemical composition | CrXN |
| Structure | Nanolayer |
| Coating temperature | 280°C |
| Maximum working temperature | 600°C |
| Maximum working temperature | |