

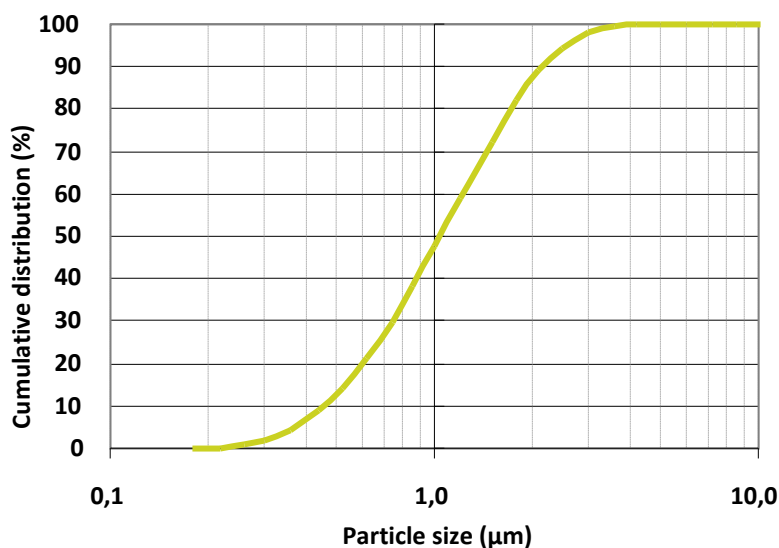
FP-510 OPACITY PIGMENT

FP-510 is unique opacity pigment powder for use in plastic applications. FP-510 is designed to give optimal optical properties enabling replacement of TiO₂ in plastics.

FP-510 TYPICAL PIGMENT PROPERTIES

These are typical values but do not constitute specifications.

| | | |
|-----------------------------|-------------------|------|
| Dry Solids | % | 99.0 |
| Brightness (ISO) | | 95.0 |
| L* value | | 98.8 |
| b* value | | 1.4 |
| Specific Surface Area (BET) | m ² /g | 10.0 |
| Average Particle Size | µm | 1.0 |
| Specific Gravity | | 2.8 |



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Rigid PVC Profiles

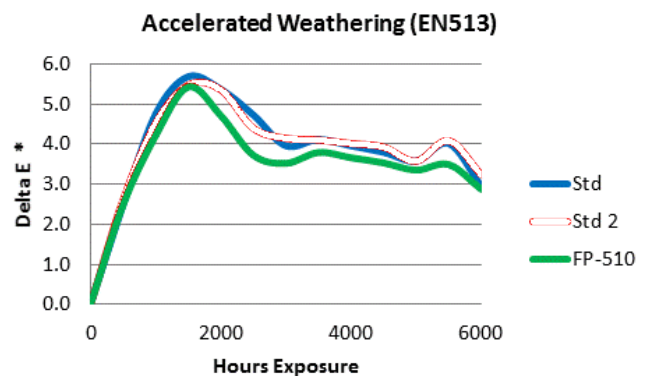
- 1: Test using a replacement ladder of 10, 15 and 20% FP-510.
- 2: Make a 1:1 weight for weight replacement of TiO₂ with FP-510.
- 3: Add the FP-510 to the premix or directly to the extruder with the TiO₂ Pigment.
- 4: Extrusion should follow the normal conditions used for the standard.
- 5: Complete the process as normal.

Key Point 1: Quality is not compromised

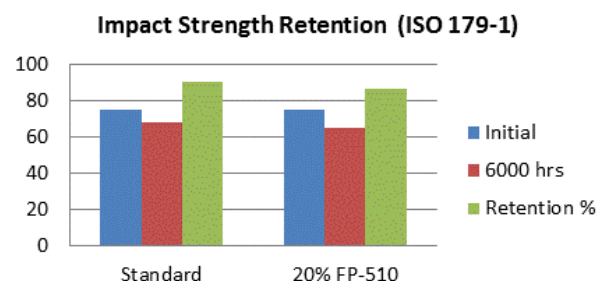
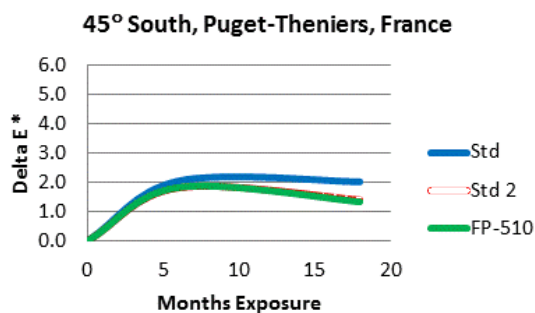


| Formulation | Initial Values | | | |
|-------------|----------------|------|-------|------|
| | 60° Gloss | L* | a* | b* |
| Standard | 44 | 93.8 | -0.87 | 2.57 |
| Standard2 | 44 | 93.7 | -0.78 | 2.38 |
| 20% FP-510 | 44 | 93.8 | -0.86 | 2.47 |

➤ No effect on colour or gloss



➤ No effect on colour stability



➤ No effect on impact resistance

Formulation (phr): 100 PVC-U, 3.5 Ca/Zn stabiliser, 8.0 CaCO₃, 6.0 impact modifier, 4.0 TiO₂ **OR** 3.2 TiO₂ + 0.8 FF