

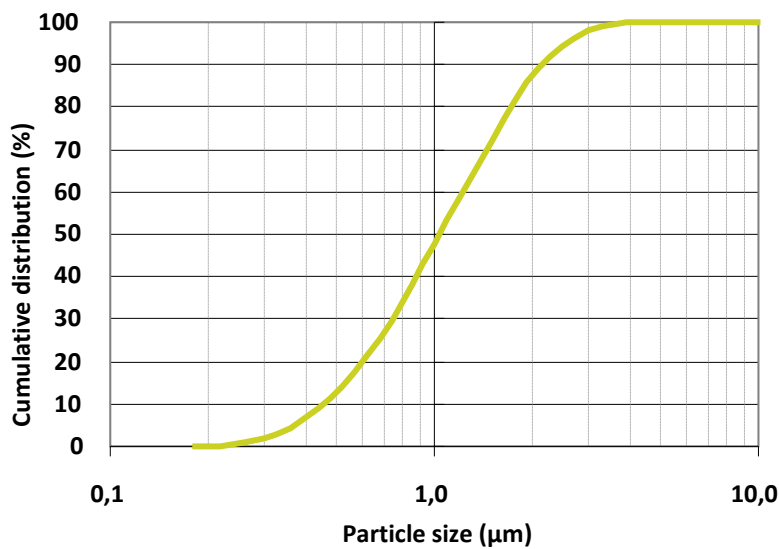
FP-510 OPACITY PIGMENT™

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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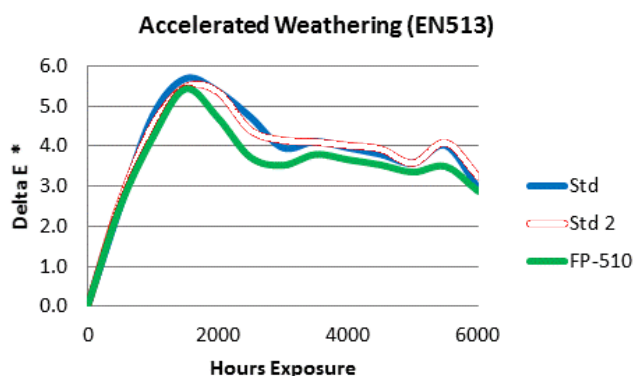
Rigid PVC Profiles

- 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.

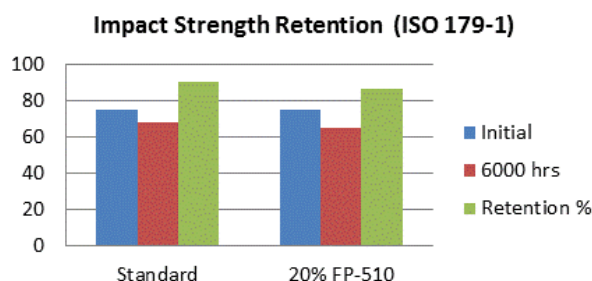
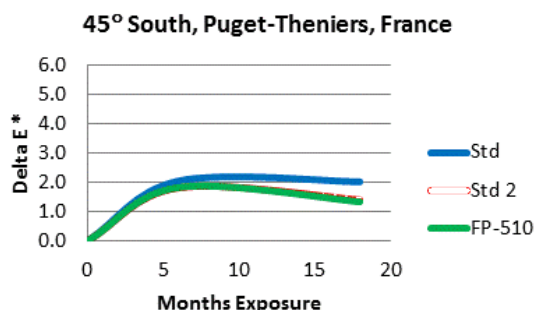
Key Point 1: Quality is not compromised

Initial Values				
Formulation	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