



Local Insight, Global Impact

TIPAQUE BLACK SG-101

IR Reflective Black Pigment

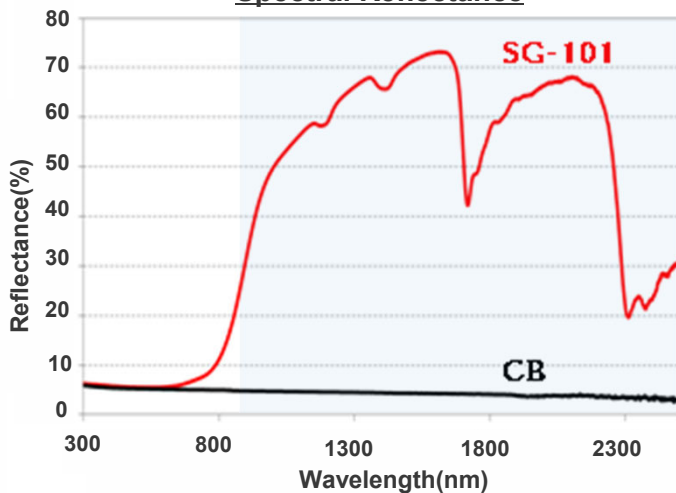
Why TIPAQUE BLACK SG-101 for Plastics?

- Reduced warpage & deformation
→ Due to its temperature rise suppression properties
- Maintains true black appearance
- High NIR (780-2500 nm) Reflectance
- Chromium-free/ Environmentally friendly
- Potential recyclability benefits through NIR detectability.

Dark Color without Heat Penalty

Rigid PVC-based (4.1 PHR, sheet thickness: 0.5 mm)

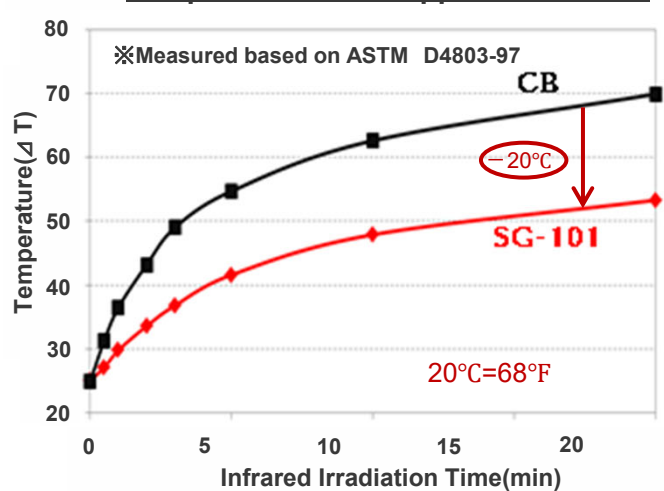
Spectral Reflectance



Typical Plastic Applications

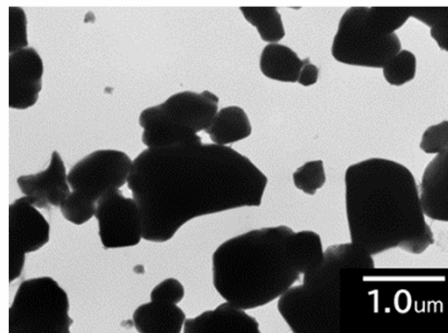
- Decking & outdoor Flooring (Recycled PE, PP)
- Siding & window profiles & Rain Gutters (PVC, AES)
- Automotive parts (PP, ABS)

Temperature Rise Suppression Effect



Typical Physical Properties (for formulation reference)

Item	Value		
Specific Gravity(g/cm ³)	4.1		
Average Particle Size(nm)	950		
Specific Surface Area (m ² /g)	2.7		
Oil Absorption(g/100g)	13		
pH	9.9		
Sample	Color		
	L	a	b
SG-101	9.0	1.6	0.7
Carbon Black	6.6	-0.6	-0.2



C.I.G.N. Pigment Black 36
C.I. No. 77255

Designed for outdoor plastic applications exposed to sunlight → Contact us for cool black solutions