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TiO₂ for Paper



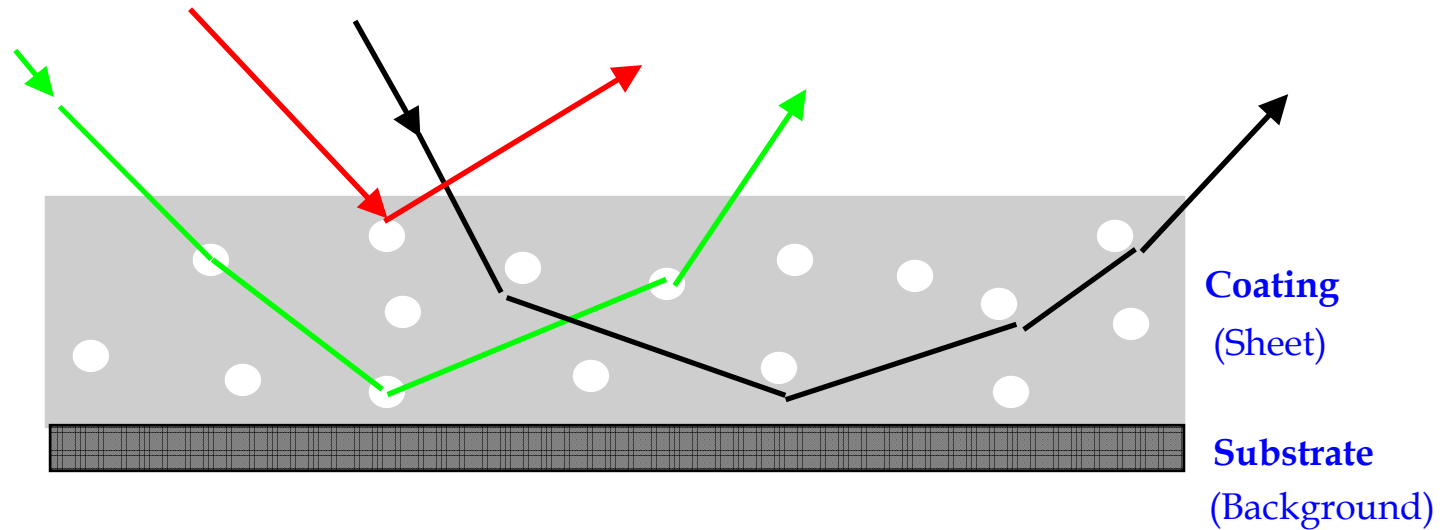
Mechanisms for Light Scattering

Abstract

This illustration depicts the three methods for light scatter and explains how TiO₂ works in paper.



How does TiO₂ work in paper?



Mechanisms for Light Scattering (Opacity)

<u>Mechanism</u>	<u>Description</u>	<u>Affected by:</u>
Reflection	Light reflects off particle surface	Refractive Index
Refraction	Light bends when it enters and leaves a particle	Refractive Index
Diffraction	Light bends when it passes near small particles	Particle Size



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