



L'impatto dei Filler Funzionali sulla sensorialità

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Corso Valutatori della Gradevolezza dei Prodotti Cosmetici

19 e 20 Maggio 2026



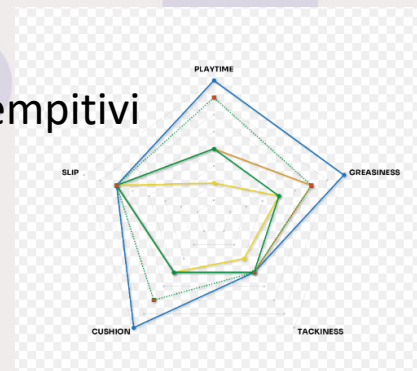
Cosa proviamo dopo l'applicazione di una crema cosmetica?

Rottura dell'emulsione

Rilascio dell'acqua

Texture, «playtime», appiccicosità ecc.

Ingredienti coinvolti in questa fase: Componenti lipofilici Pigmenti Riempitivi



L'evoluzione Sensoriale

- Personalizzazione dei prodotti Cosmetici
- Facile modifica delle formulazioni
- Effetto percepito immediato
 - Riduzione delle rughe
 - Mascheramento delle discromie
 - Percezione della qualità del prodotto
- Caratterizzazione dei prodotti

L'evoluzione sensoriale – Skinification

SKIN CARE



SUN CARE



MAKE-UP



HAIR CARE



Filler e Filler Funzionali



Filler

- “Polveri Bianche”
- Insolubili
- Nessun Effetto visibile nel prodotto finito
- Bassa Coprenza

Filler Funzionali

- “Polveri Bianche”
- Insolubili
- Effetto visibile nel prodotto finito
- Bassa o Media Coprenza
- Influenza sulla Texture

Filler Funzionali

Prodotto

- **Correzione Colore**
- **Opacità**
- **Luminosità**

- **Miglioramento della Resa**
- **Applicazione**

Look



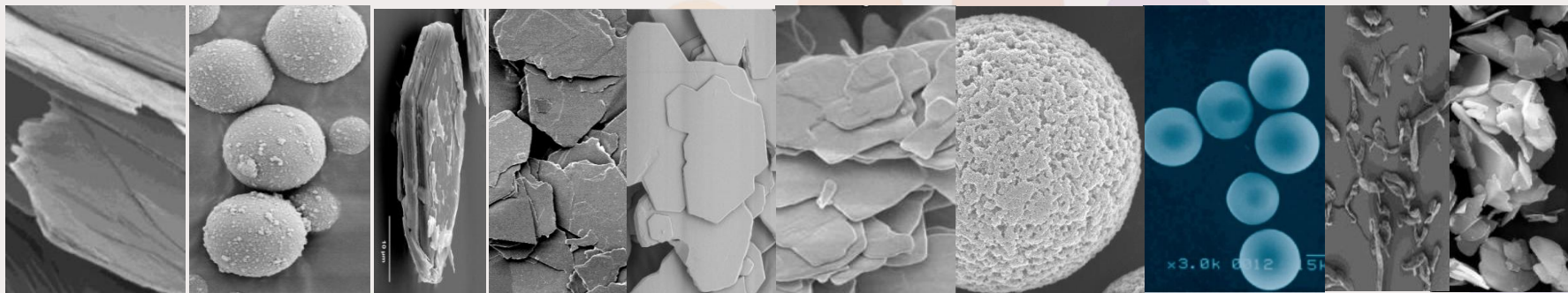
Texture



Pelle

- **Soft focus**
- **Opacizzante**
- **Correzione Colore**
- **Uniformità**
- **Luminosità**
- **Secco – Nutriente**
- **Emolliente**
- **Adesività – Long Lasting**

Filler e Filler Funzionali



Mica

Silica

Talco

SynMica

Alumina

BiOCl

PMMA

Nylon

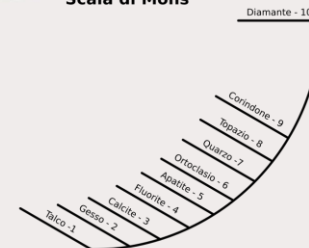
Cellulose

BoroNit

Le principali differenze sono:

- Indice di rifrazione – Scattering – Soft Focus
- Durezza (Mohs)
- Assorbimento Olio
- Sensorialità
- Luminosità
- Coprenza

Scala di Mohs



Le principali funzioni dei Filler Funzionali

Opacizzanti

- Pelle meno grassa
- tocco polveroso
- secco

Soft Focus

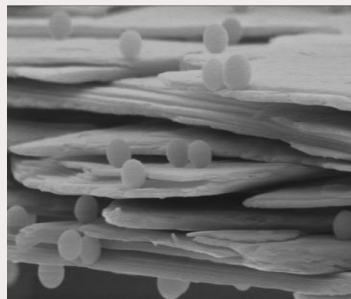
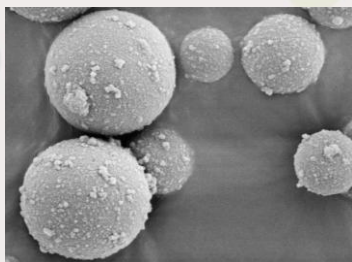
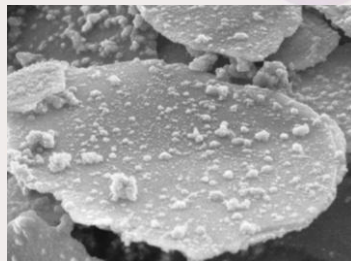
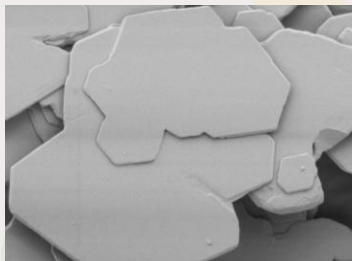
Correzione imperfezioni
Bilanciamento discromie
Camouflage delle rughe
Luminosità

Texturizzanti

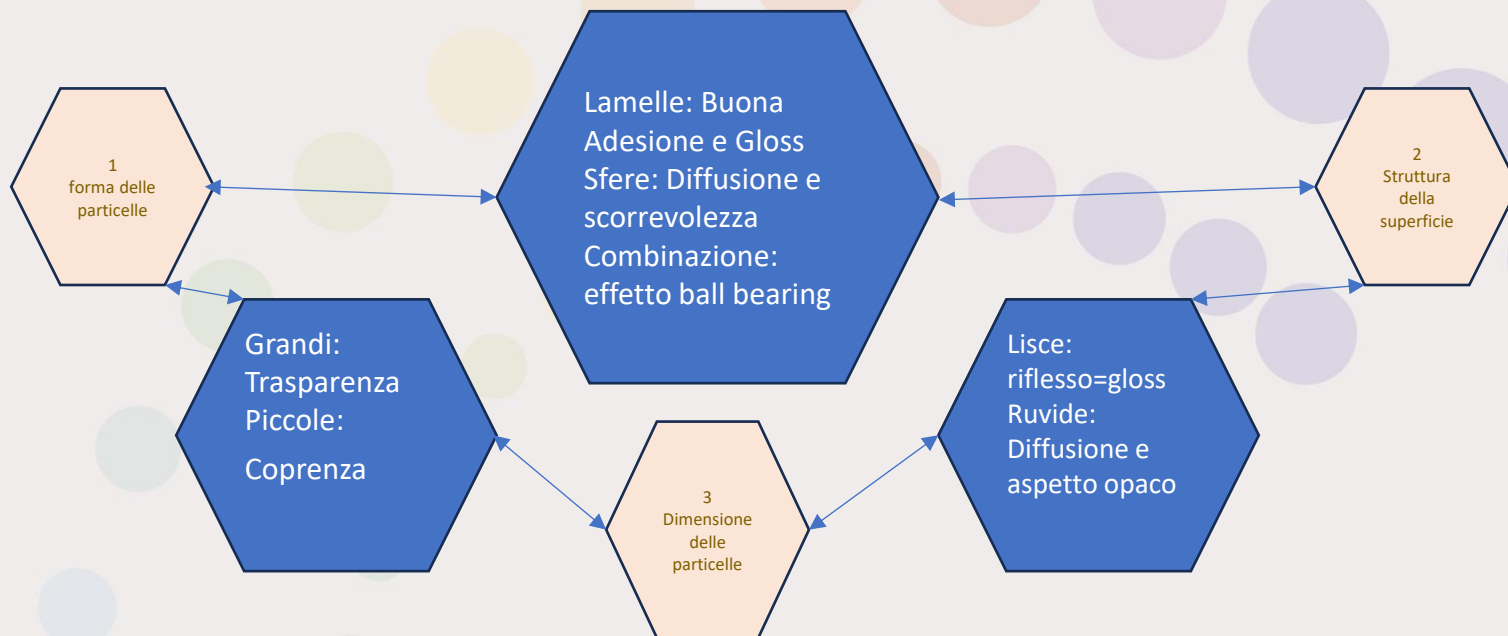
- Resa Superiore (tocco)
- Durata Applicazione
- Cremosità

Filler e Filler Funzionali

La Struttura definisce l'effetto



Filler e Filler Funzionali



Filler e Filler Funzionali

Mica+TiO₂



Mica



Silica+Fe₂O₃



Boron Nitride



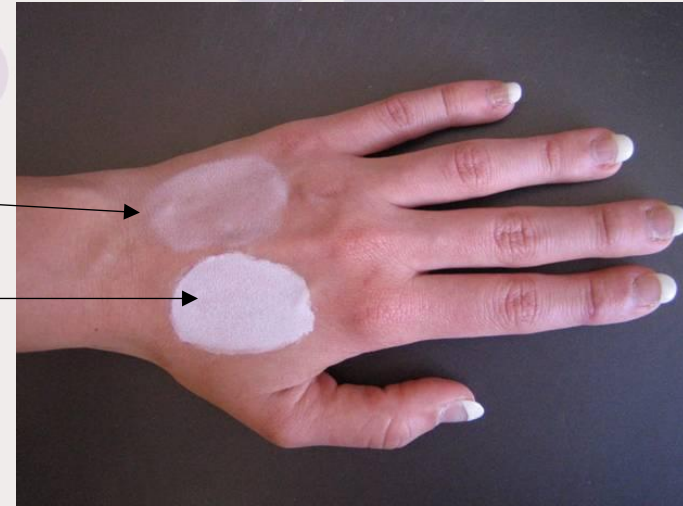
Filler e Filler Funzionali

aspetti pratici

La Coprenza

Talco

Mica e TiO₂



Filler e Filler Funzionali

aspetti pratici

coprenza

luminosità



Trasparente opaco



Coprente opaco



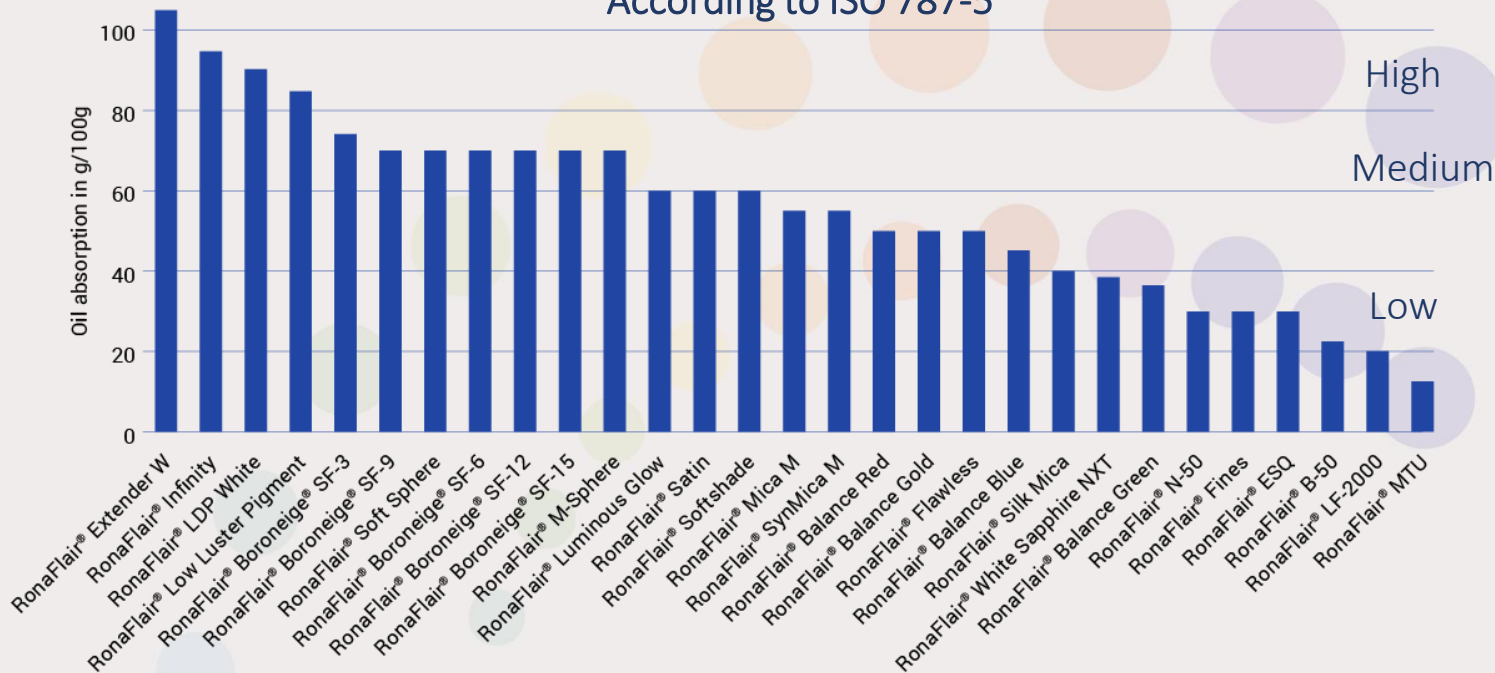
Trasparente
luminoso



Coprente
Luminoso

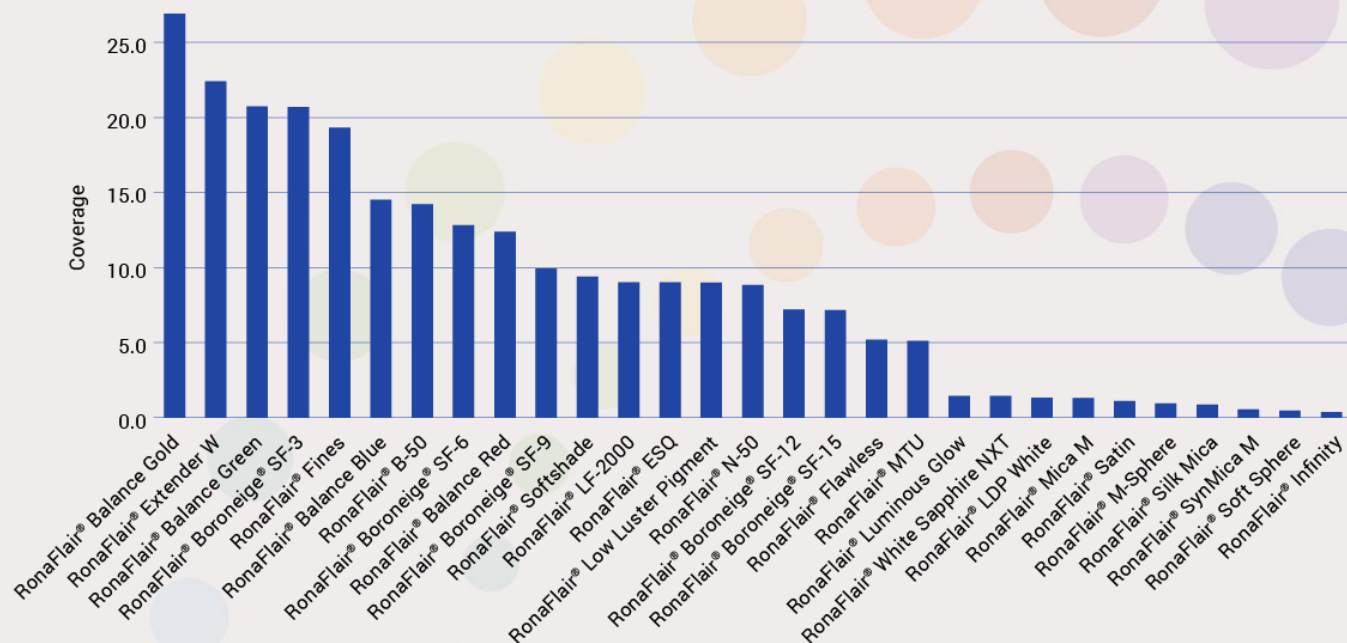
Filler e Filler Funzionali

According to ISO 787-5

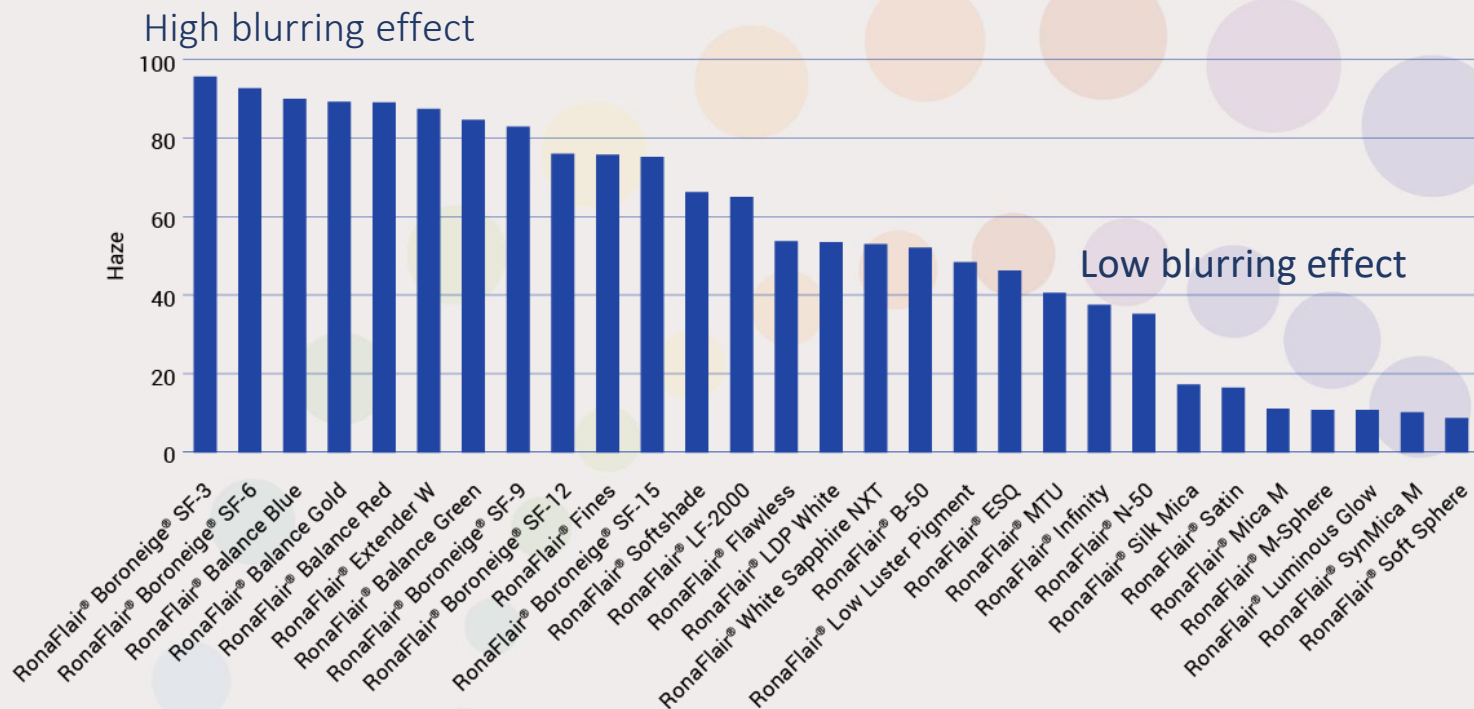


Filler e Filler Funzionali

Hazemeter data:
Coverage = 100 – (Total
Transmittance of filler
+ lacquer base)



Filler e Filler Funzionali

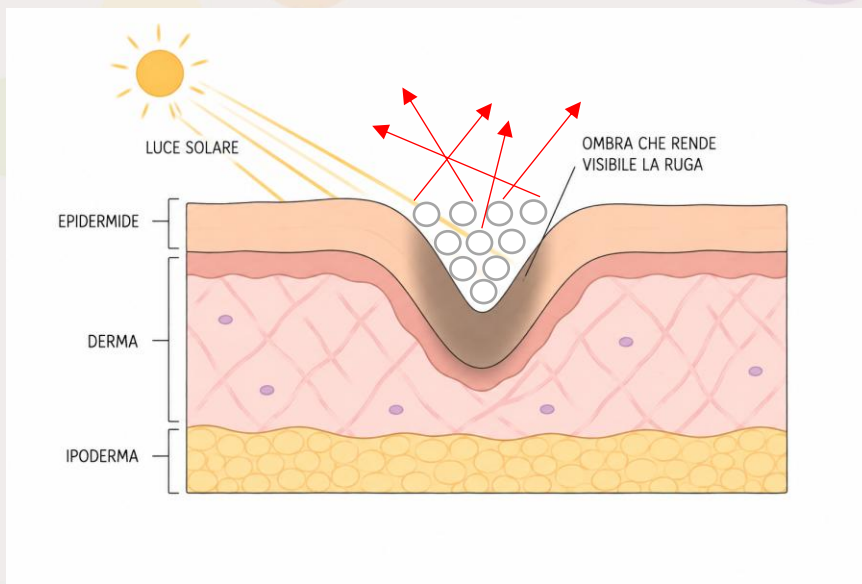


Filler e Filler Funzionali



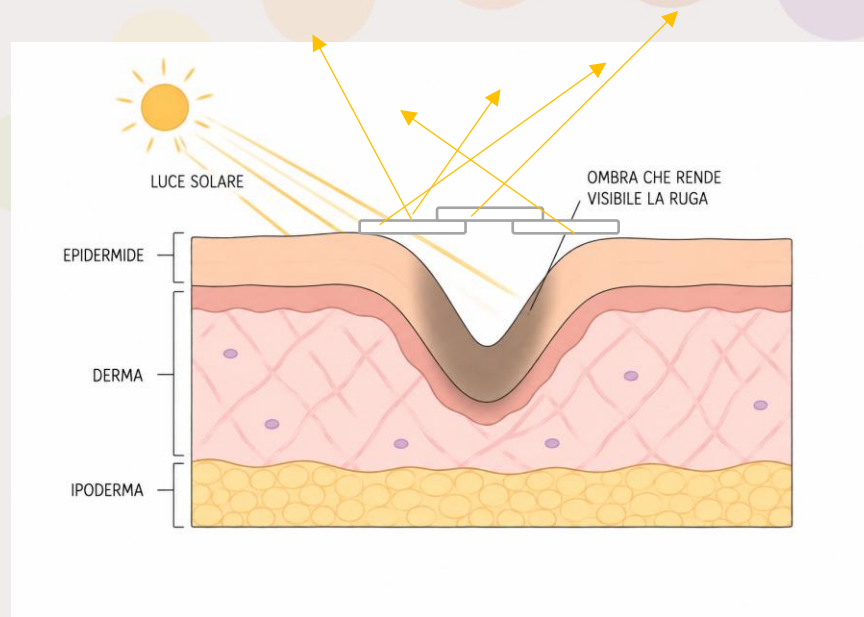
Filler e Filler Funzionali

Soft Focus

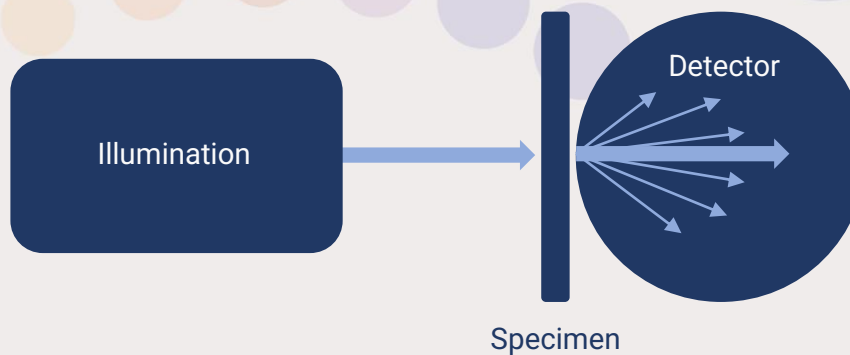
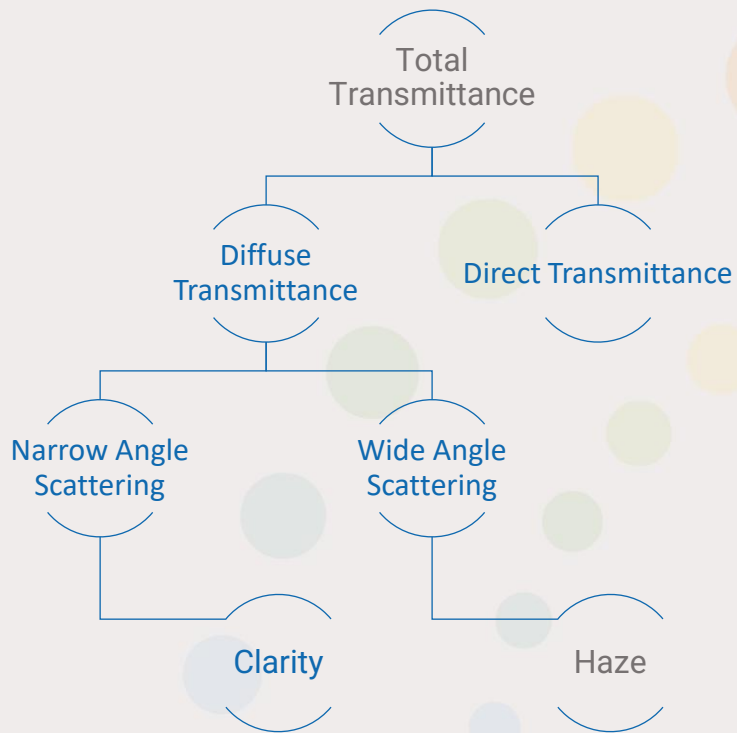
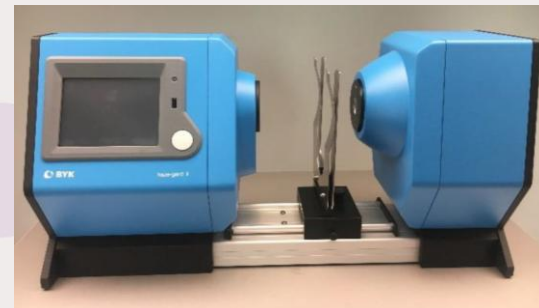


Filler e Filler Funzionali

Soft Focus

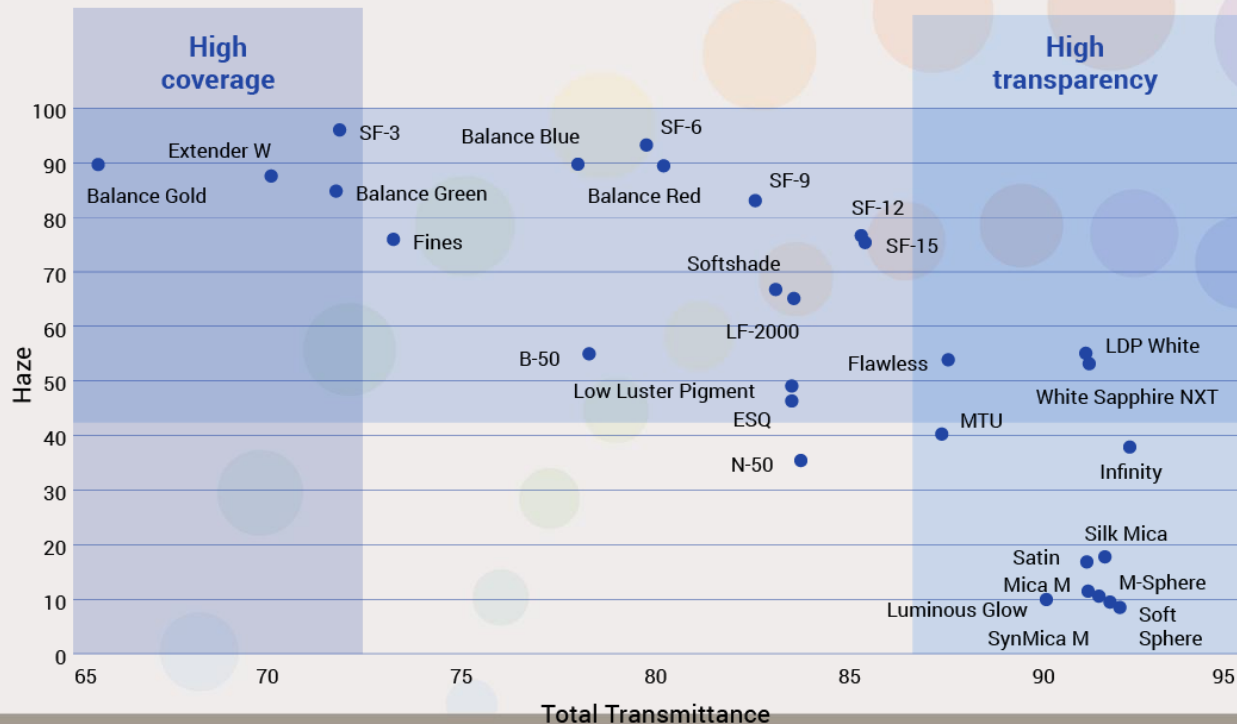


Filler e Filler Funzionali



Filler e Filler Funzionali

Soft focus effect (Hazemeter data)



Soft focus / light diffusing effect correlates with haze data!

Take your pick and consider whether a high or low transparency of the filler is best.

Total transmittance:

The ratio (%) of transmitted light to incident light

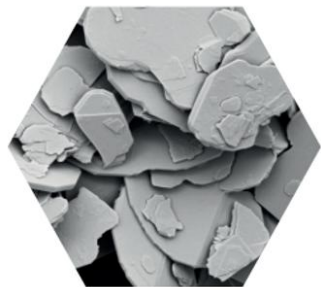
Haze: Scattering of light in a wide-angle range, reducing the contrast of objects viewed through the transparent material

Filler e Filler Funzionali

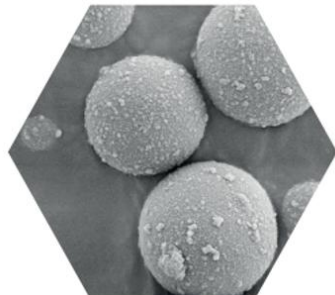
TOUCH and Feel

Filler e Filler Funzionali

INCI:	Boron Nitride
Particle size:	8.0 – 15.0 μm (80 % in range)
Powder color:	pure white
Coverage:	medium
Luster:	low
Oil absorption:	70 g / 100 g
Sensory profile:	creamy / smooth / gliding



INCI:	Silica, CI 77891 (Titanium Dioxide), CI 77491 (Iron Oxides)
Particle size:	1.0 - 25.0 μm (80 % in range)
Powder color:	peach-colored
Coverage:	low
Luster:	low
Oil absorption:	50 g / 100 g
Sensory profile:	powdery / dry / rolling

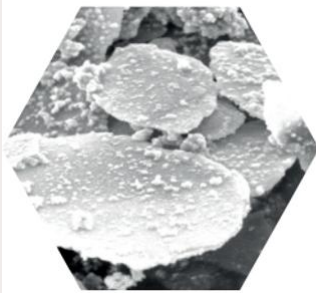


INCI:	Synthetic Fluorophlogopite, Silica
Particle size:	5.0 – 35.0 μm (80 % in range)
Powder color:	pure white
Coverage:	low
Luster:	medium
Oil absorption:	70 g / 100 g
Sensory profile:	silky / velvety / smooth / alidina

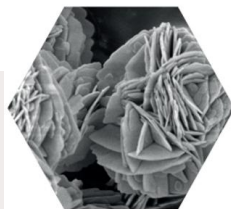
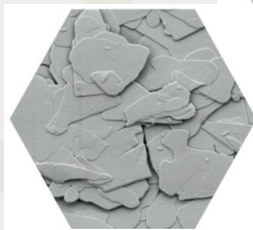
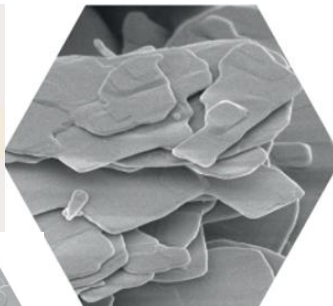


Filler e Filler Funzionali

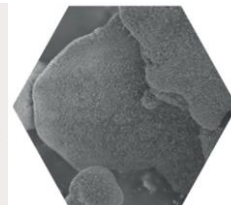
INCI:	Mica, CI 77891 (Titanium Dioxide)
Particle size:	≤20.0 μm (80 % in range)
Powder color:	off-white
Coverage:	high
Luster:	low
Oil absorption:	105 g / 100 g
Sensory profile:	powdery / dry



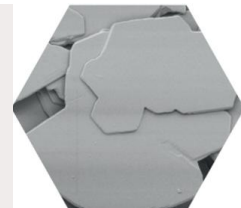
INCI:	CI 77163 (Bismuth Oxychloride)
Particle size:	≤35.0 μm (80 % in range)
Powder color:	off-white
Coverage:	medium
Luster:	medium
Oil absorption:	20 g / 100 g
Sensory profile:	smooth / gliding / creamy



INCI:	Alumina
Particle size:	5.0 - 40.0 μm (80 % in range)
Powder color:	pure white
Coverage:	low
Luster:	low
Oil absorption:	92 g / 100 g
Sensory profile:	powdery / dry



INCI:	Synthetic Sapphire or Alumina
Particle size:	<16.0 μm (80 % in range)
Powder color:	pure white
Coverage:	low
Luster:	medium
Oil absorption:	37g / 100g
Sensory profile:	smooth / gliding / silky / velvety



Filler e Filler Funzionali

Grazie