

CALCINED NEUBURG SILICEOUS EARTH POLYPROPYLENE HOMOPOLYMER (PP HOMO) 40 % FILLER CONTENT

OBJECTIVE

Performance of Silfit Z 91

Ultrafine premium talc

- recommended for
- high impact strength
 - good scratch resistance

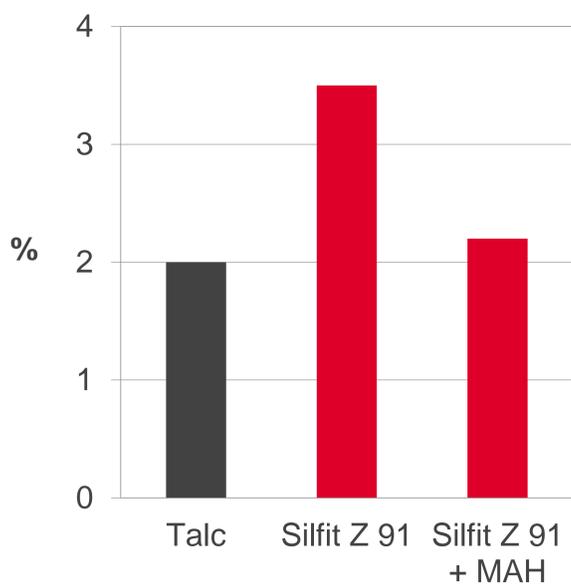


Neuburg Siliceous Earth:

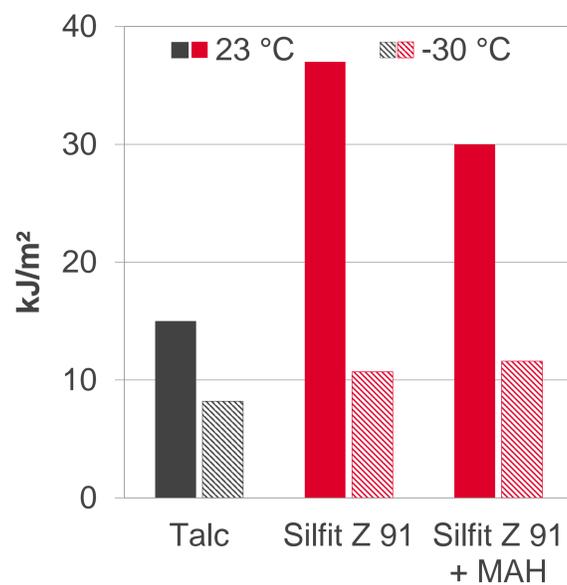
Silfit Z 91
Silfit Z 91 + MAH

RESULTS

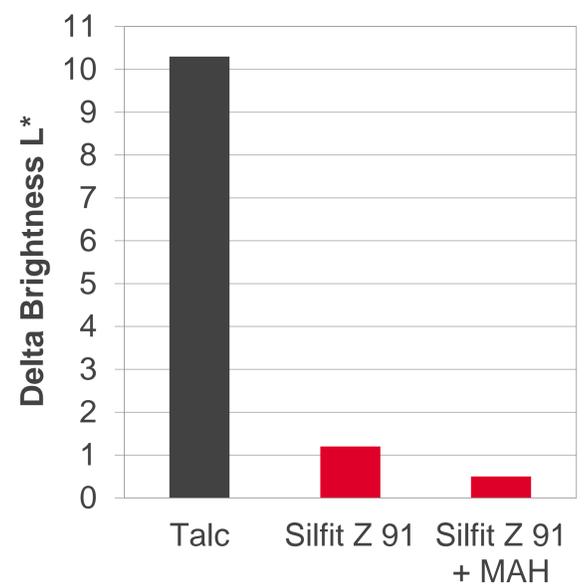
Tensile Strain at Break
DIN EN ISO 527-1, -2; 5 mm/min



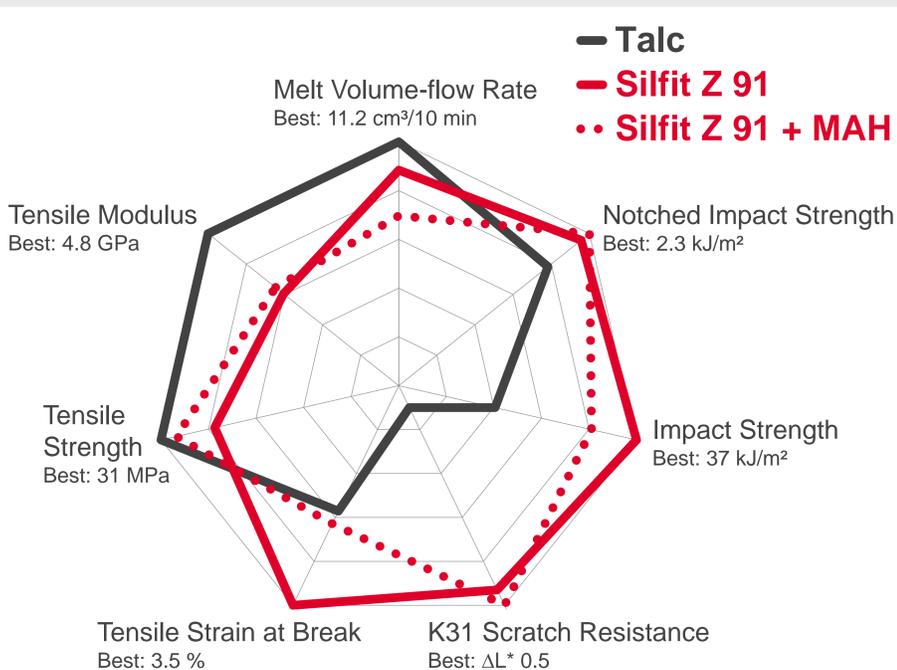
Charpy Impact Strength
DIN EN ISO 179-1/1eU



Scratch Resistance
K 31 (fine grain)



SUMMARY



Benefits Silfit Z 91 vs. Premium Talc:

- Higher tensile strain at break
- Improved impact strength, even at low temperature
- Excellent scratch resistance
- Cost reduction potential

The addition of MAH improves tensile strength and optimizes scratch resistance.

Outlook

Special impact modifiers can be reduced, which also should help to alleviate differences in stiffness.