

CALCINED NEUBURG SILICEOUS EARTH POLYPROPYLENE COPOLYMER (PP COPO) 20 % FILLER CONTENT

OBJECTIVE

Performance of Silfit Z 91 and Aktifit AM

Ultrafine premium talc

- recommended for
- high impact strength
- good scratch resistance

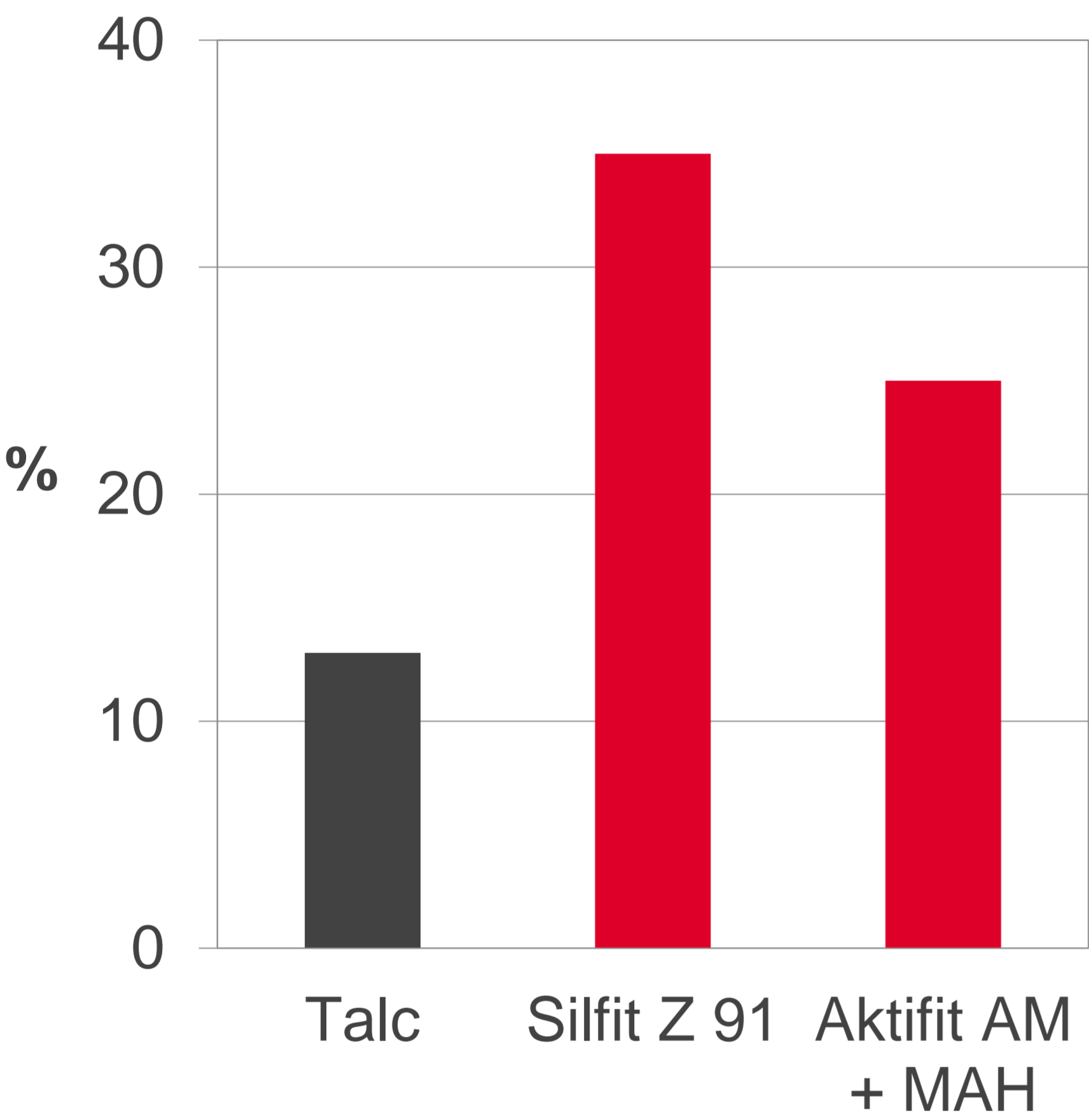


Neuburg Siliceous Earth:

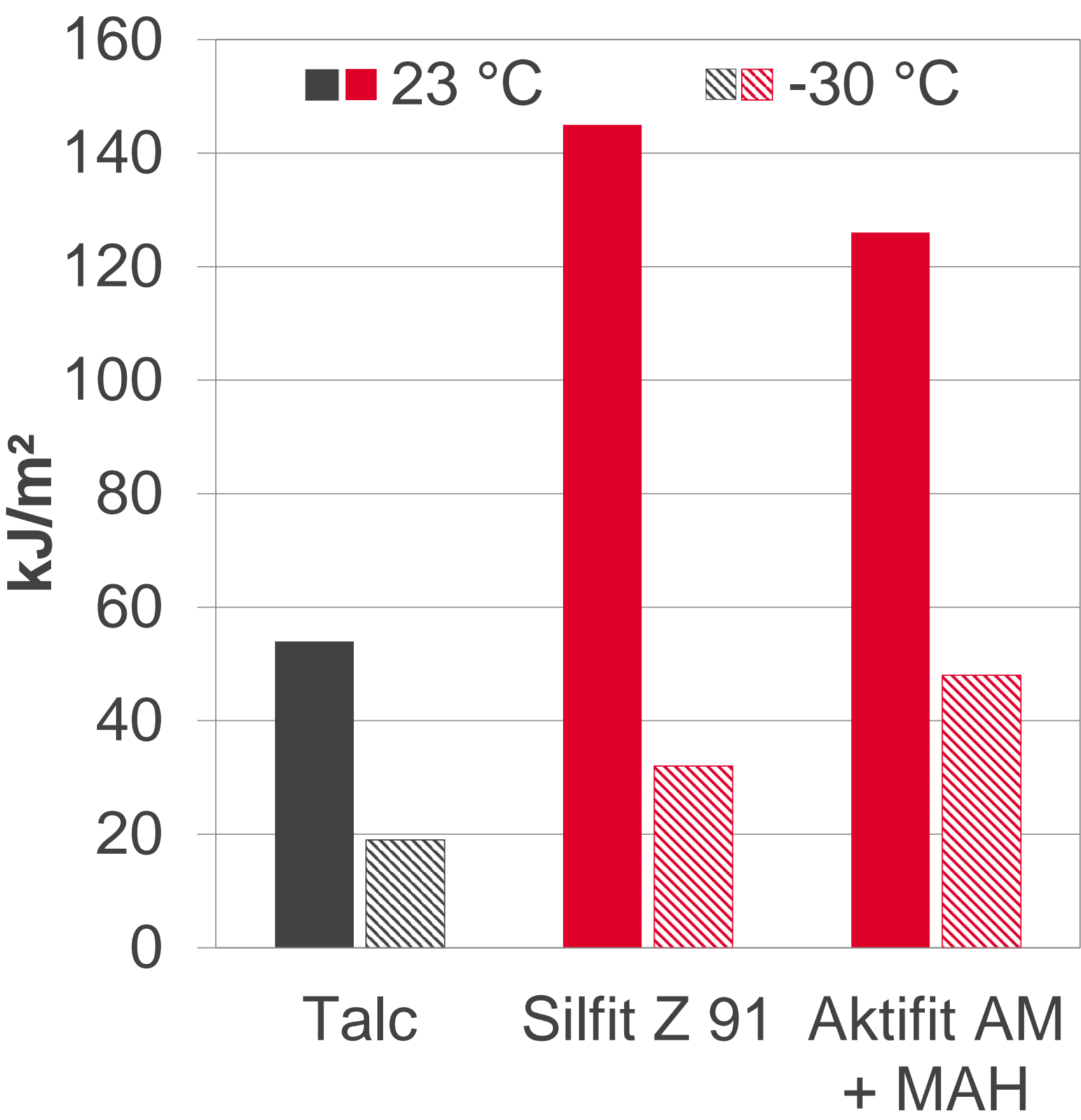
Silfit Z 91
Aktifit AM + MAH

RESULTS

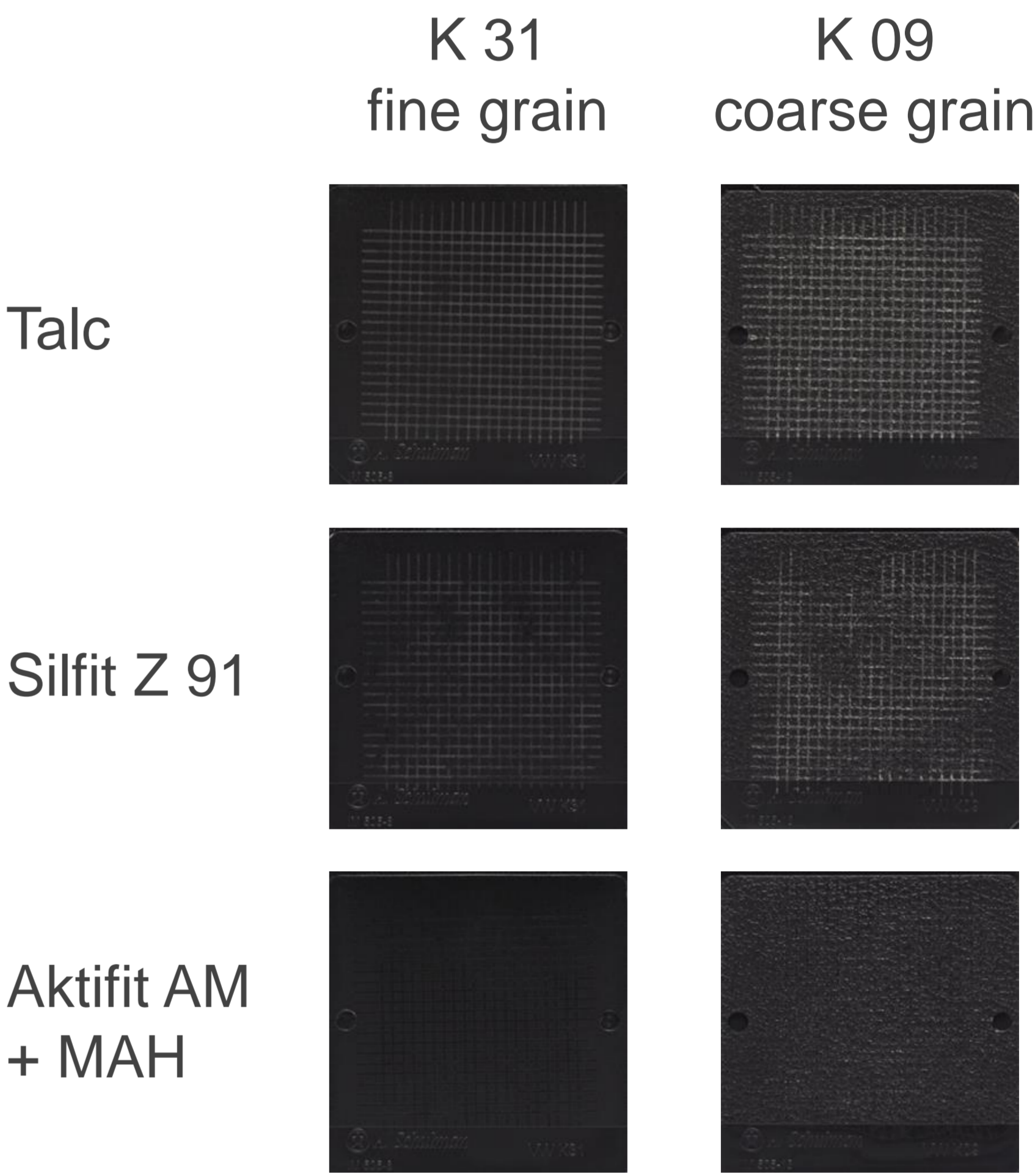
Nominal Strain at Break
DIN EN ISO 527-1, -2; 50 mm/min



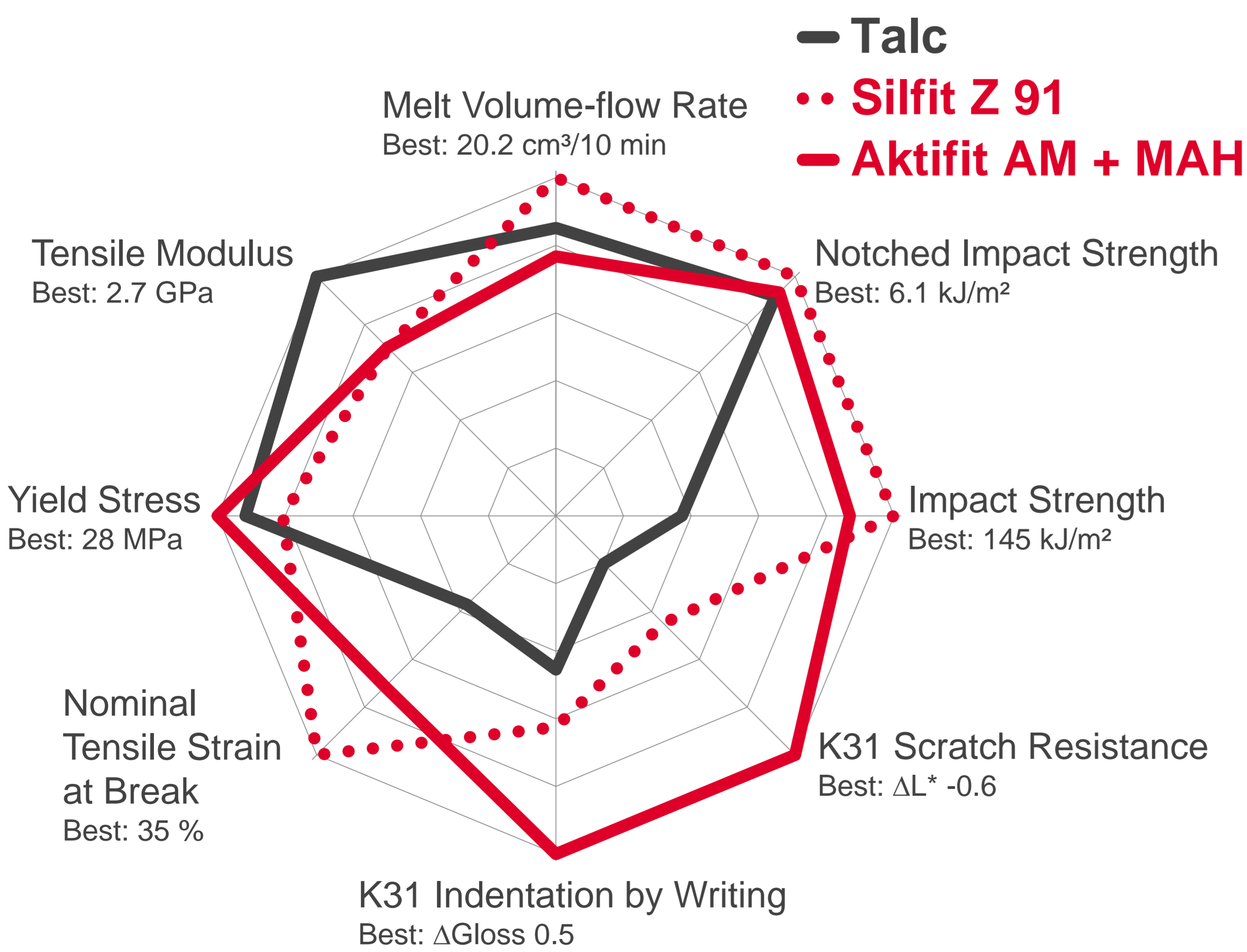
Charpy Impact Strength
DIN EN ISO 179-1/1eU



Scratch Resistance



SUMMARY



Benefits Aktifit AM + MAH vs. Premium Talc:

- Higher yield stress
- Higher tensile strain at break
- Strongly enhanced impact strength, even at low temperature
- Markedly improved indentation by writing
- Excellent scratch resistance

Silfit Z 91 offers as a cost-conscious version higher strain at break and higher impact strength as well as improved indentation by writing and scratch resistance.

Outlook

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