

# CALCINED NEUBURG SILICEOUS EARTH POLYPROPYLENE COPOLYMER (PP COPO) LIGHT-WEIGHT AND SCRATCH RESISTANT

## OBJECTIVE

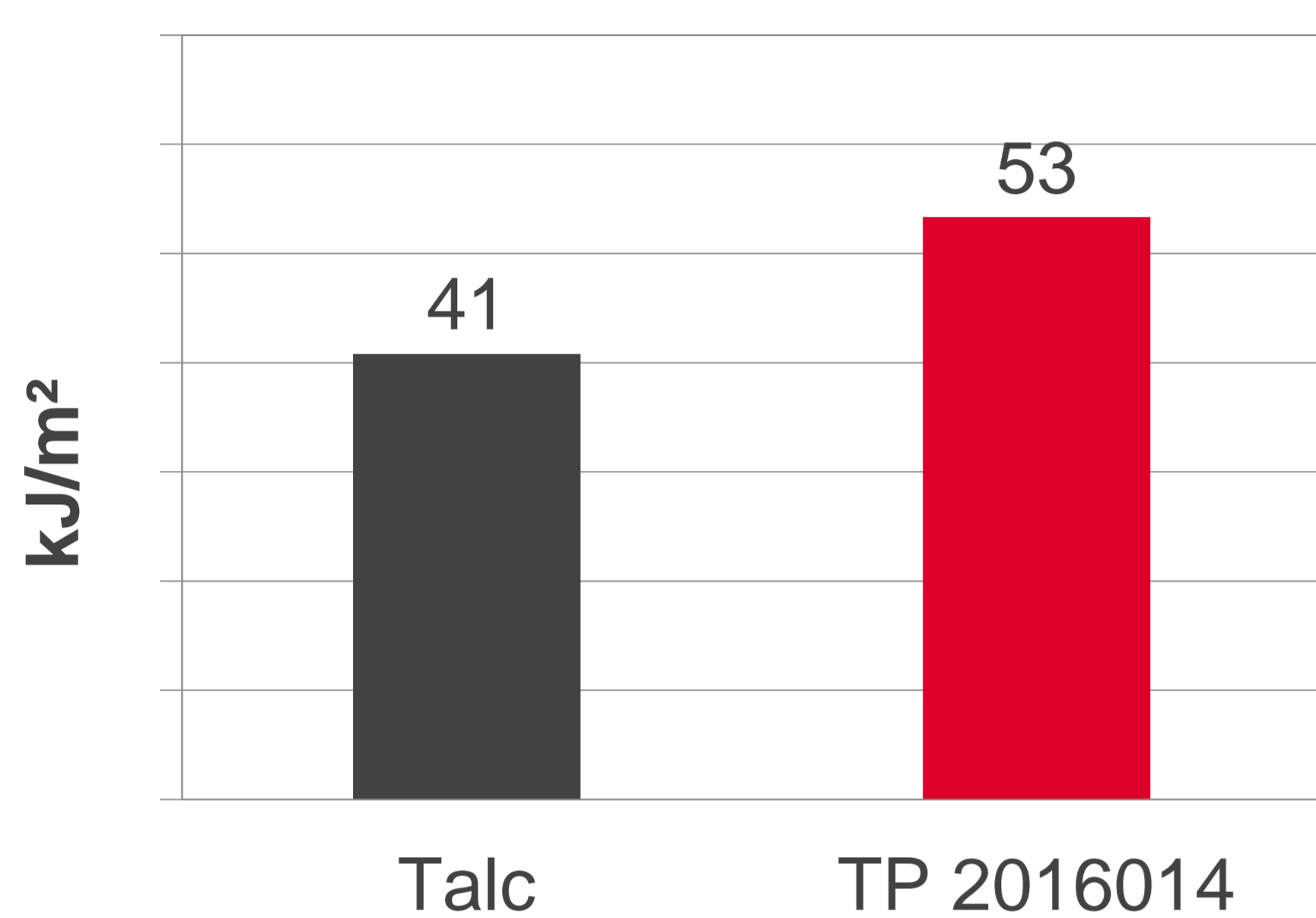
**20 wt-%  
Ultrafine premium talc**  
recommended for  
- high impact strength  
- good scratch resistance



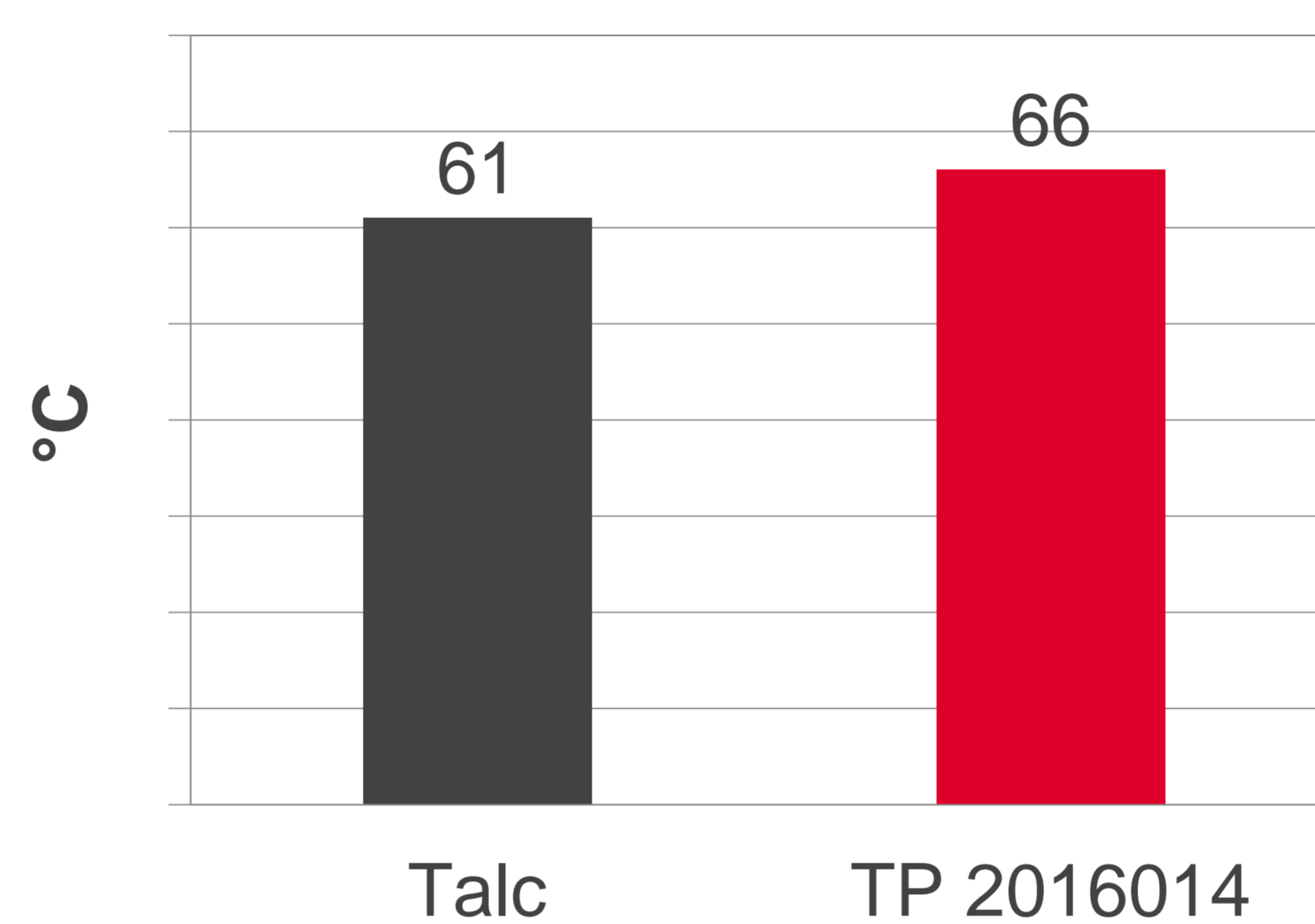
**11 wt-%  
TP 2016014** (experimental product)  
**+ 1% MAH** (in compound)

## RESULTS

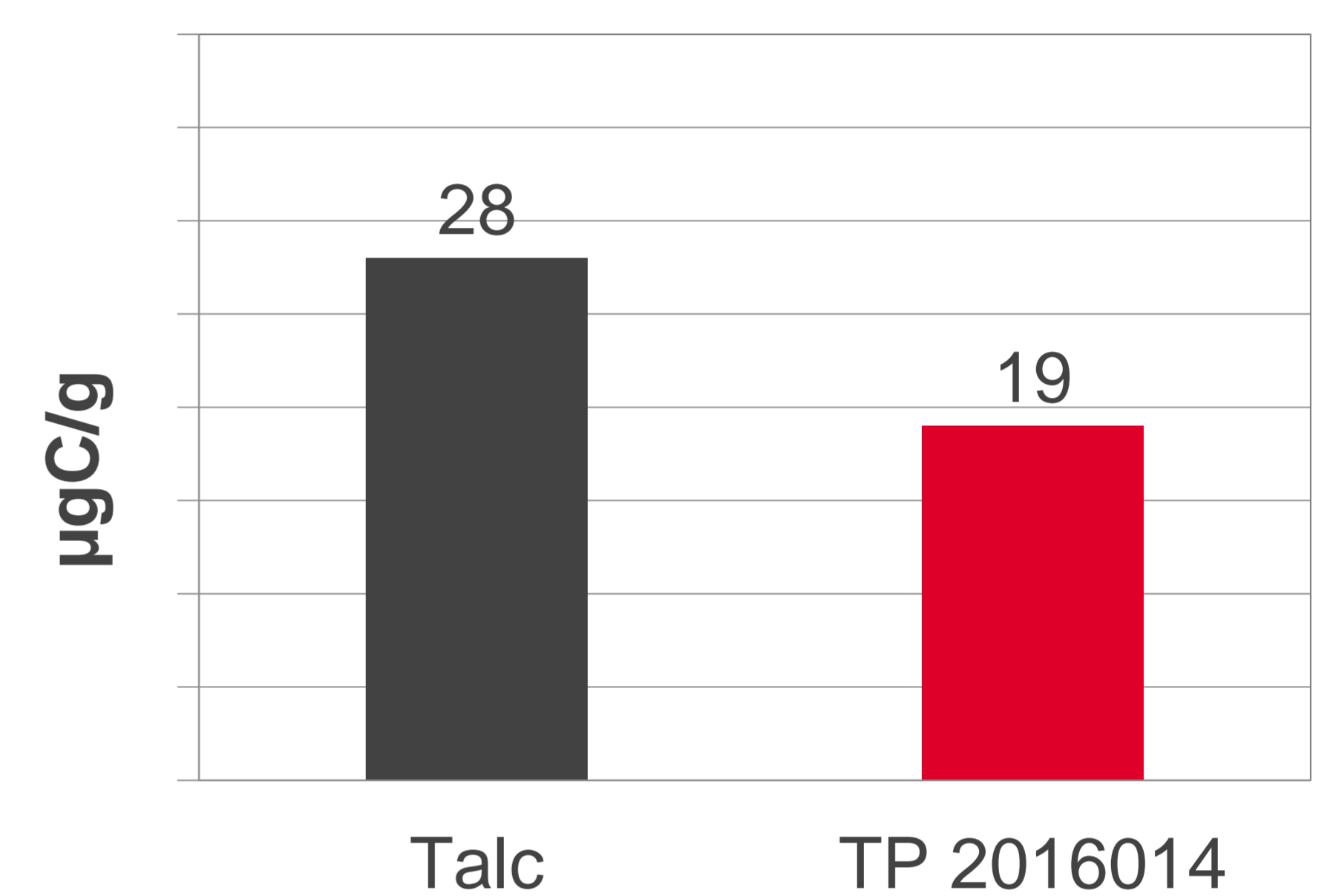
Charpy Impact Strength



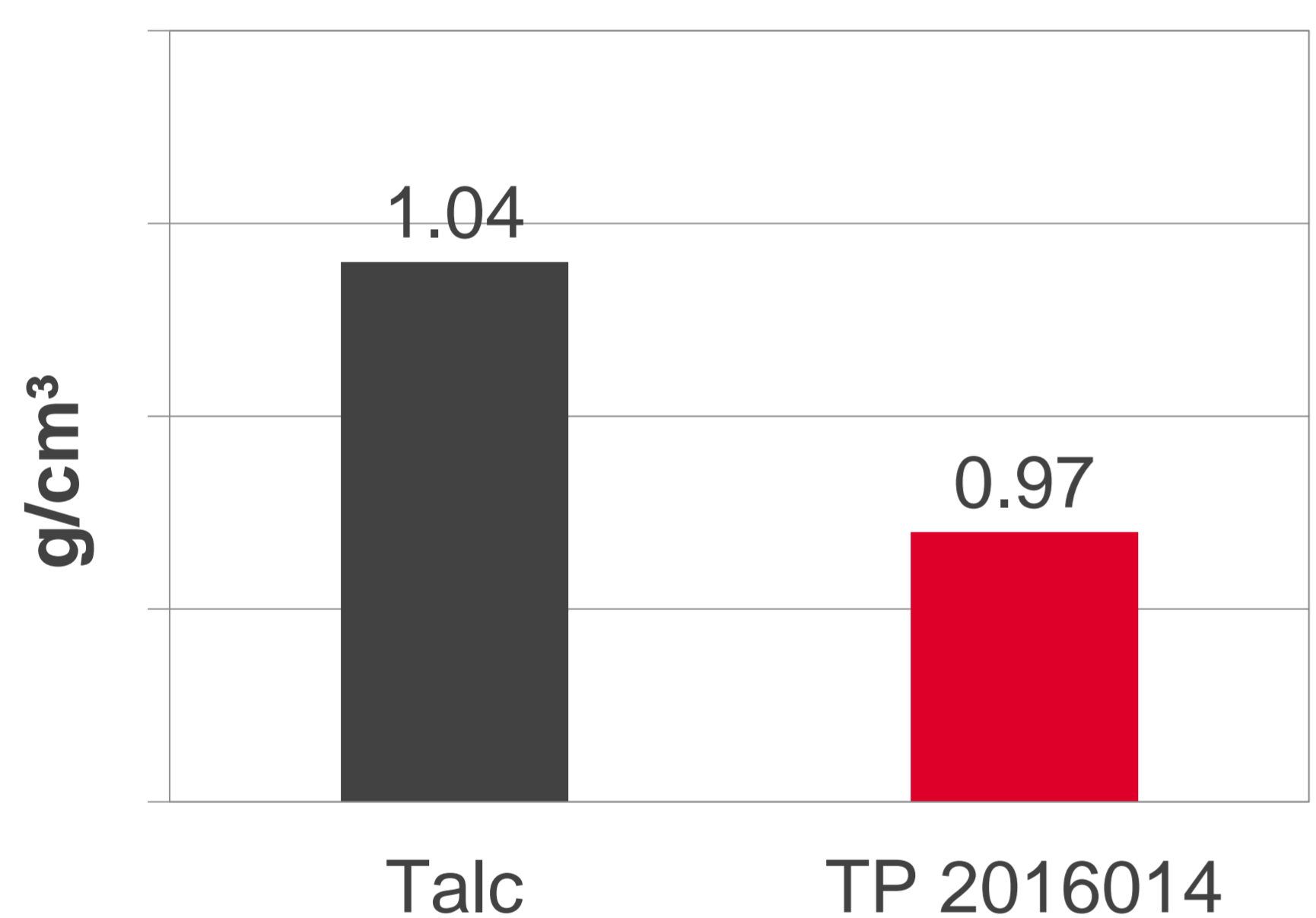
Heat Deflection HDT/A



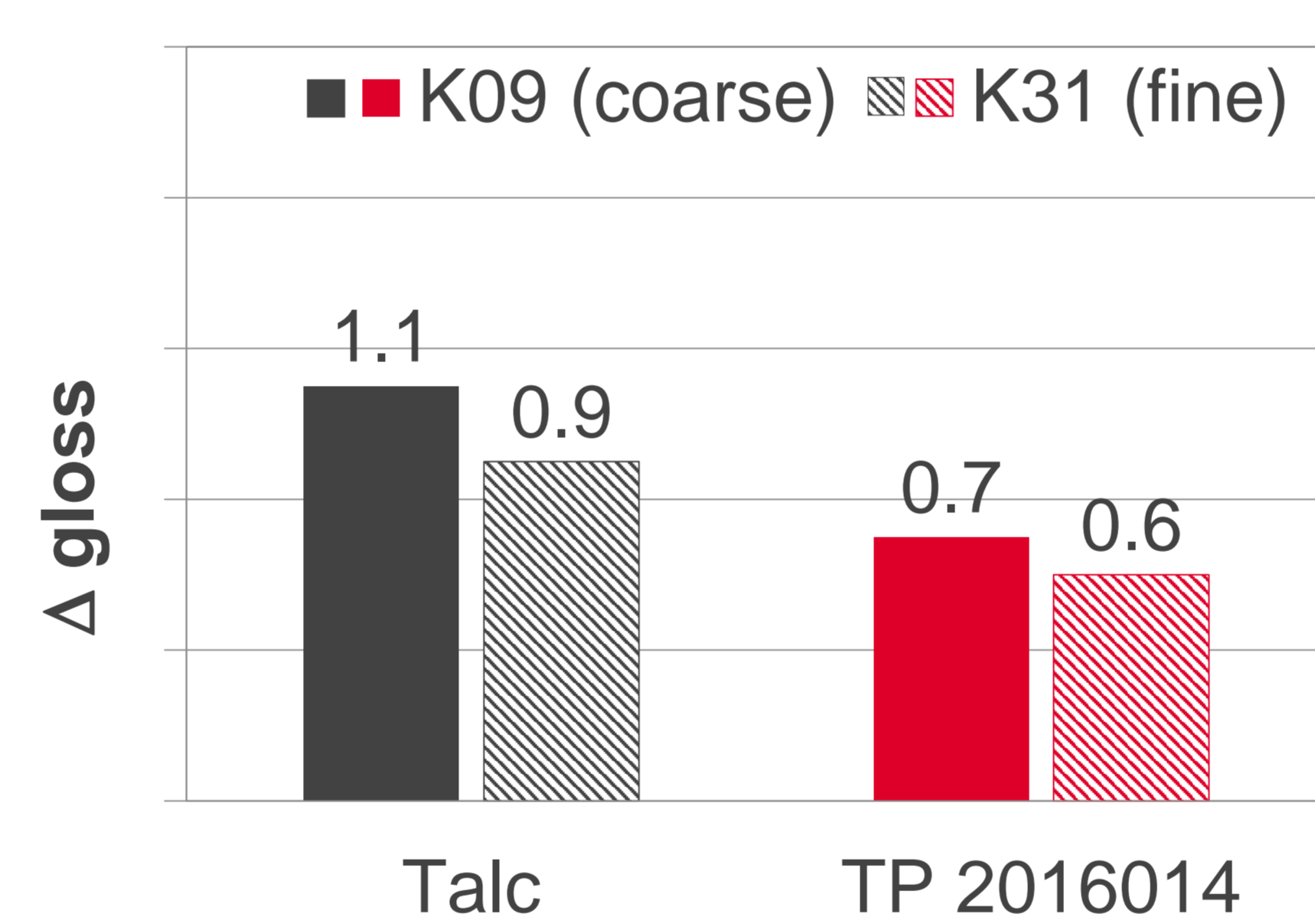
Total Carbon Emission



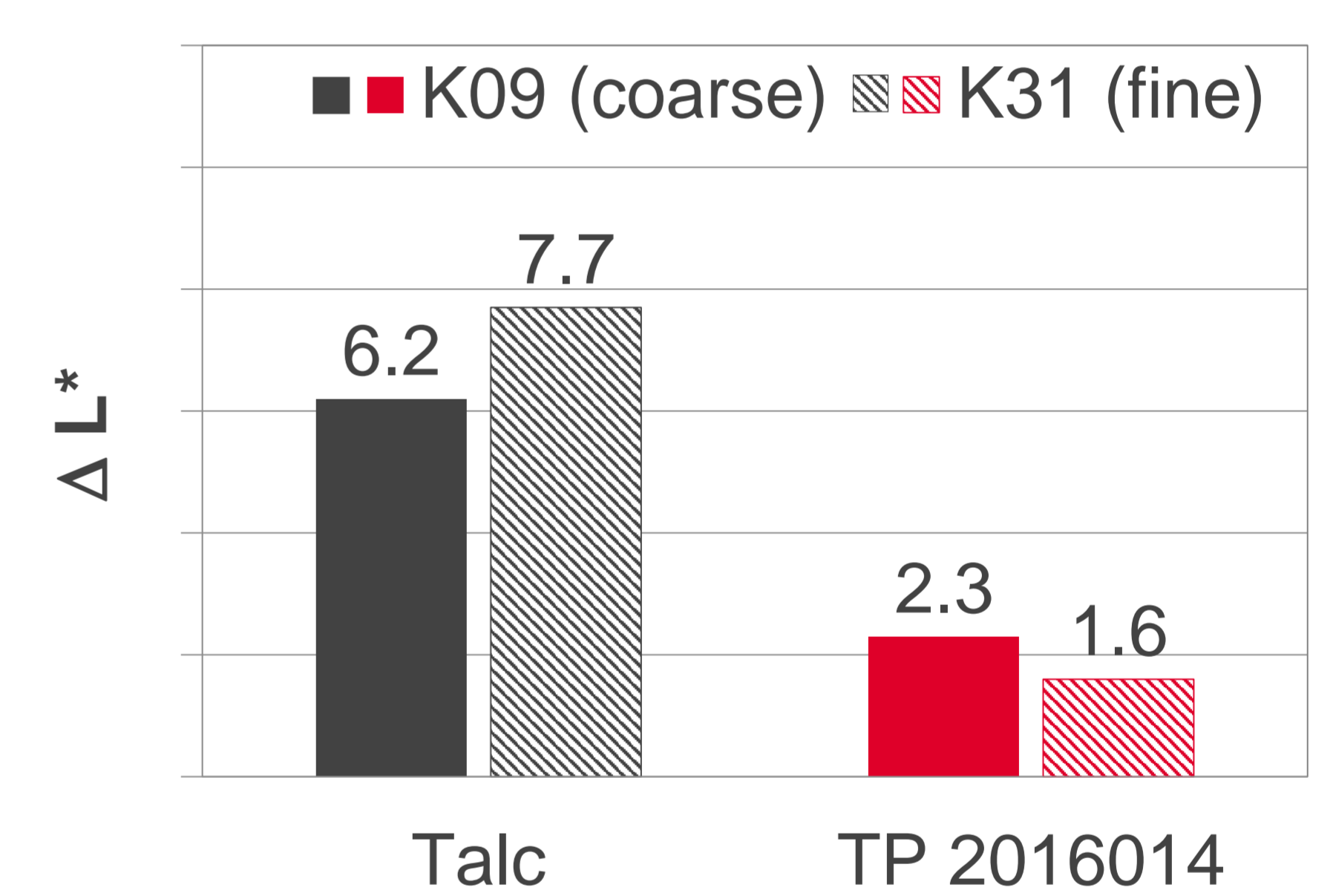
Compound Density



Indentation by Writing



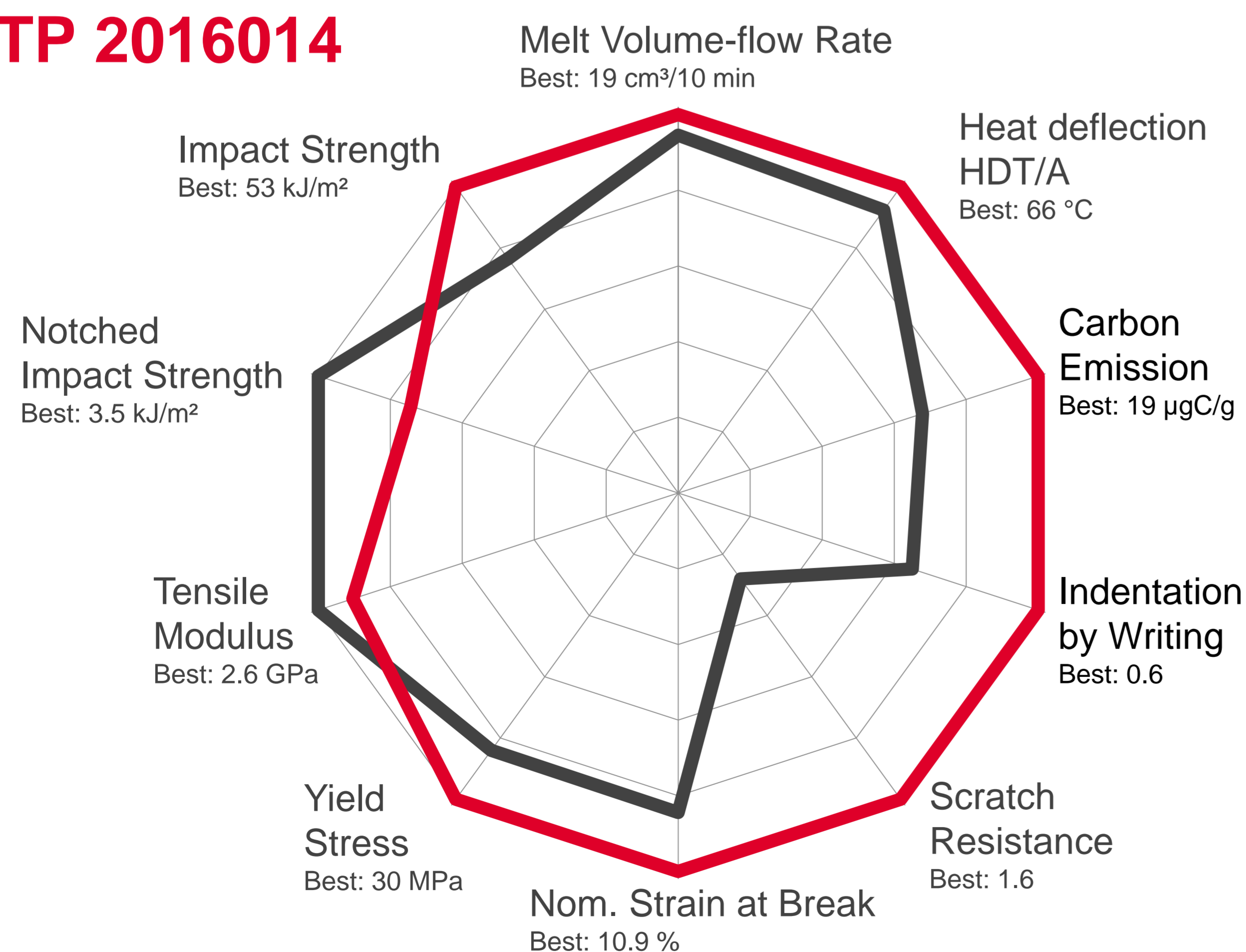
Scratch Resistance



## SUMMARY

-Talc

-TP 2016014



**TP 2016014 is a suitable filler for light-weight and scratch resistant polypropylene compounds.**

### Outlook

By the addition of an impact modifier and a slightly higher dosage of MAH values of >100 kJ/m² for impact strength and >30 kJ/m² for notched impact strength can be achieved.