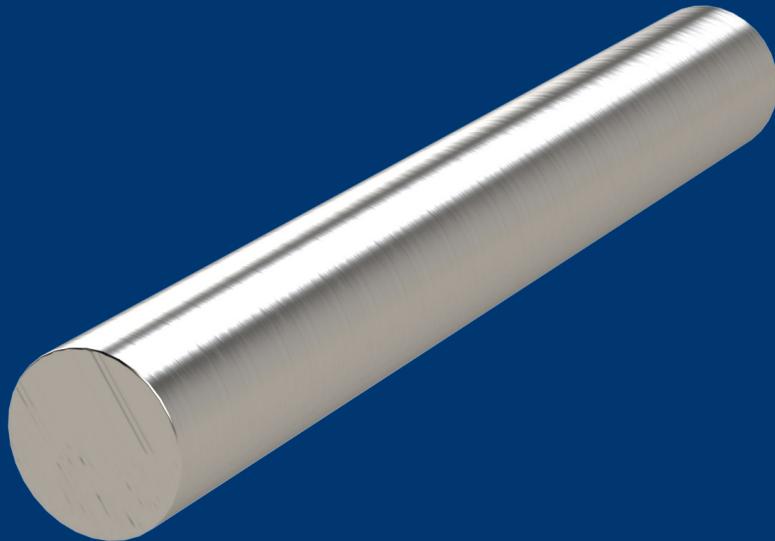


# DATA SHEET

**SITHERM™**

2343R



**SITHERM<sup>™</sup>**

2343R

**W.NR.:** 1.2343 ESR (EN ISO 4957)

**EN / DIN:** X37CrMoV5-1

**AISI:** H11

## CHEMICAL COMPOSITION

C	Si	Mn	Cr	Mo	V
0.38	1.00	0.40	5.10	1.25	0.40

## ULTRASOUND EXAMINATION

 EN 10228-3 art.2-4,  
SEP1921 E/e

## DELIVERY CONDITION

soft annealed with a hardness of &lt;229 HB

## PROCESS

electro slag remelted - ESR

## HEAT TREATMENT

soft annealing	cooling	hardness (HB)
800-840 °C	furnace	<229
hardening	quenching	hardness (HRC)
1000-1040 °C	air, oil, warm bath 500-550 °C	50-56

## PROPERTIES

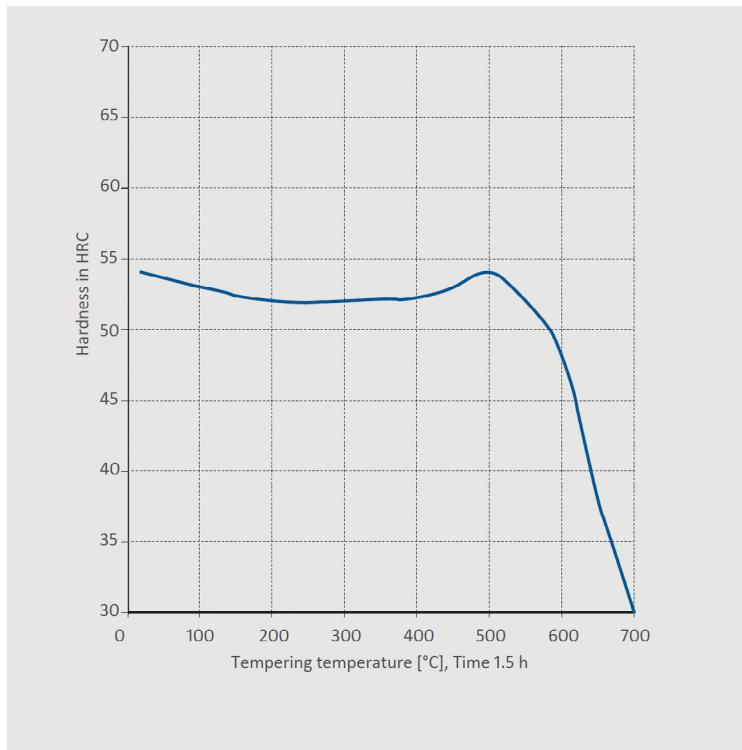
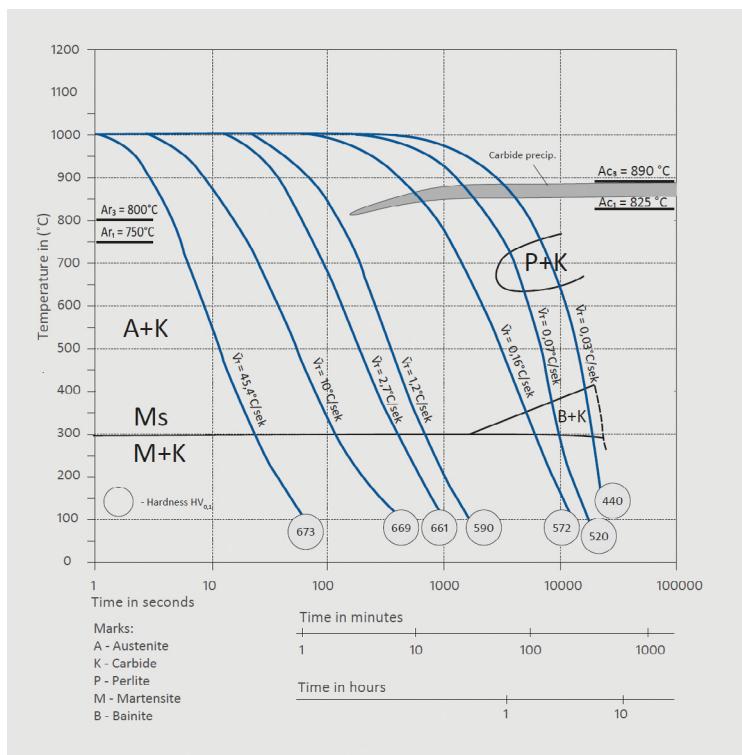
High tempering resistance and toughness in hot applications. The toughness of this steel is slightly greater than that of SITHERM 2344R. Water-cooling during operation may also be used. Since the steel is an ESR-steel, it is recommended for the most demanding processes (where significant temperature shocks exist). Can be nitrated.

## APPLICATION

For tools for the die casting of aluminium and zinc, for die forging and aluminium extrusion: pressure plates, pistons, recipients, die holders. For plastics processing with the option to polish. Blades for shredding waste rubber. Usual working hardness of between 42 and 48 HRC.

**SITHERM<sup>™</sup>**

2343R

**TT**

**CCT**


## DISCLAIMER

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