

Ex02. Hollomon

[AFDEX_MAT

(Elastic)

(Plastic)

(Plastic)

(Plastic)

(Plastic)

(Plastic)

(Plastic)

(Thermal)

[AFDEX_MAT

(AFDEX 3)

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Ex02. Hollomon (AFDEX 3)

Hollomon 모델

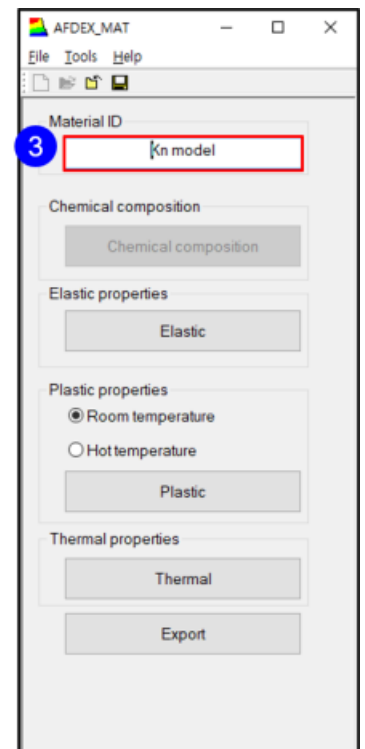
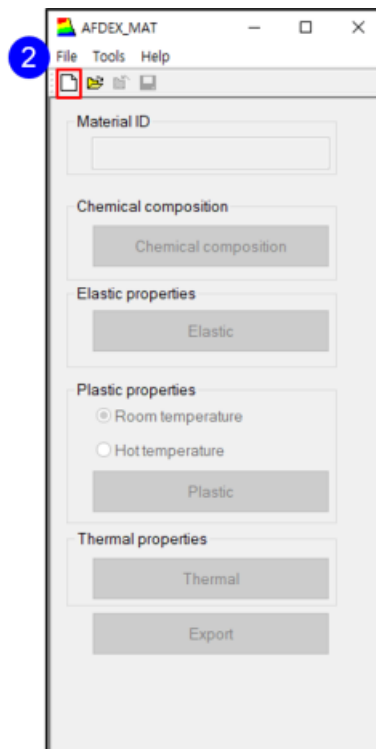
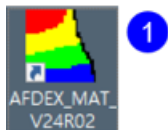
$$\bar{\sigma} = \max(K\bar{\epsilon}^n, \bar{\sigma}_{YS})$$

K : Strength coefficient (강도계수)

n : Strain hardening exp. (변형률 경화지수)

$\bar{\sigma}_{YS}$: Yield stress (항복응력)

[AFDEX_MAT]

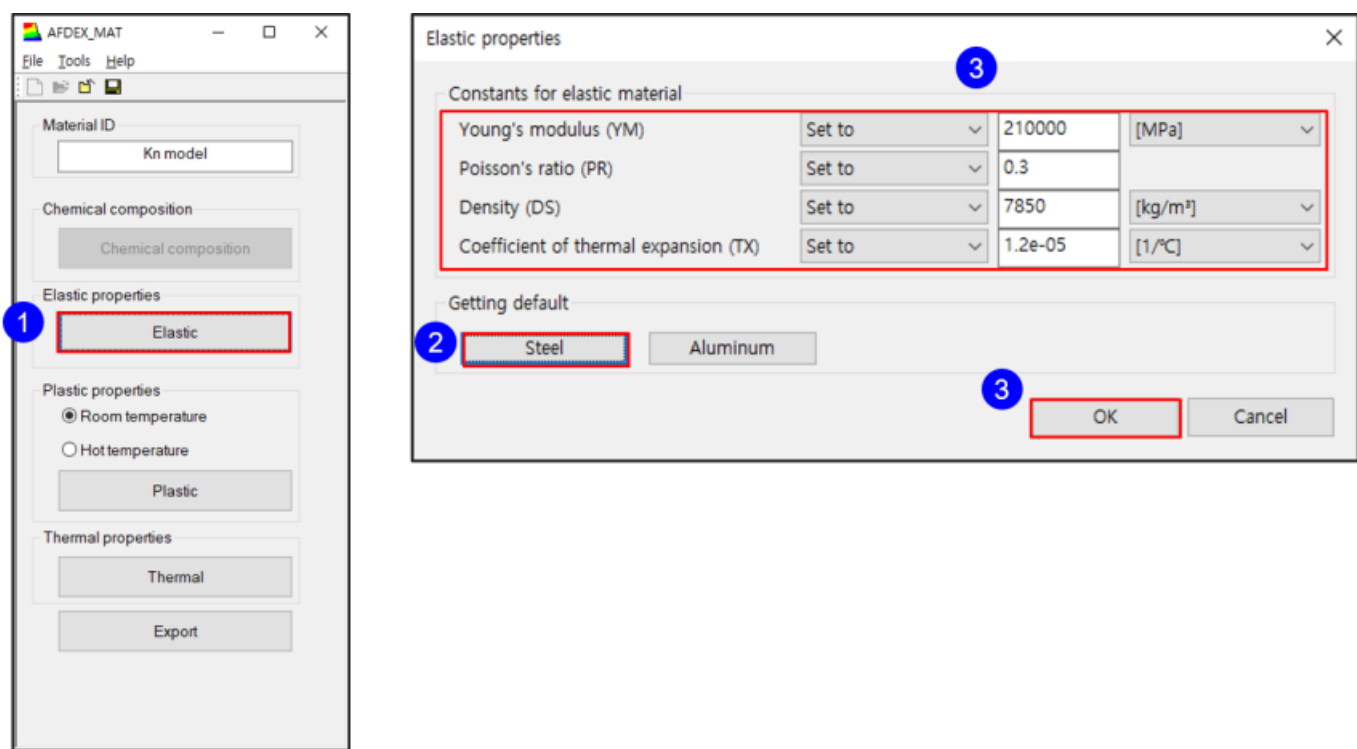


1. ADEX_MAT
2. "New"
3. "Material ID" " " " " " "

[

(Elastic)

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1. “Elastic”
2. “Elastic properties” , “Getting default” “Steel” .(Aluminum)
3. , “Young's modulus”, “Poisson's ratio”, “Density”, “Coefficient of thermal expansion”

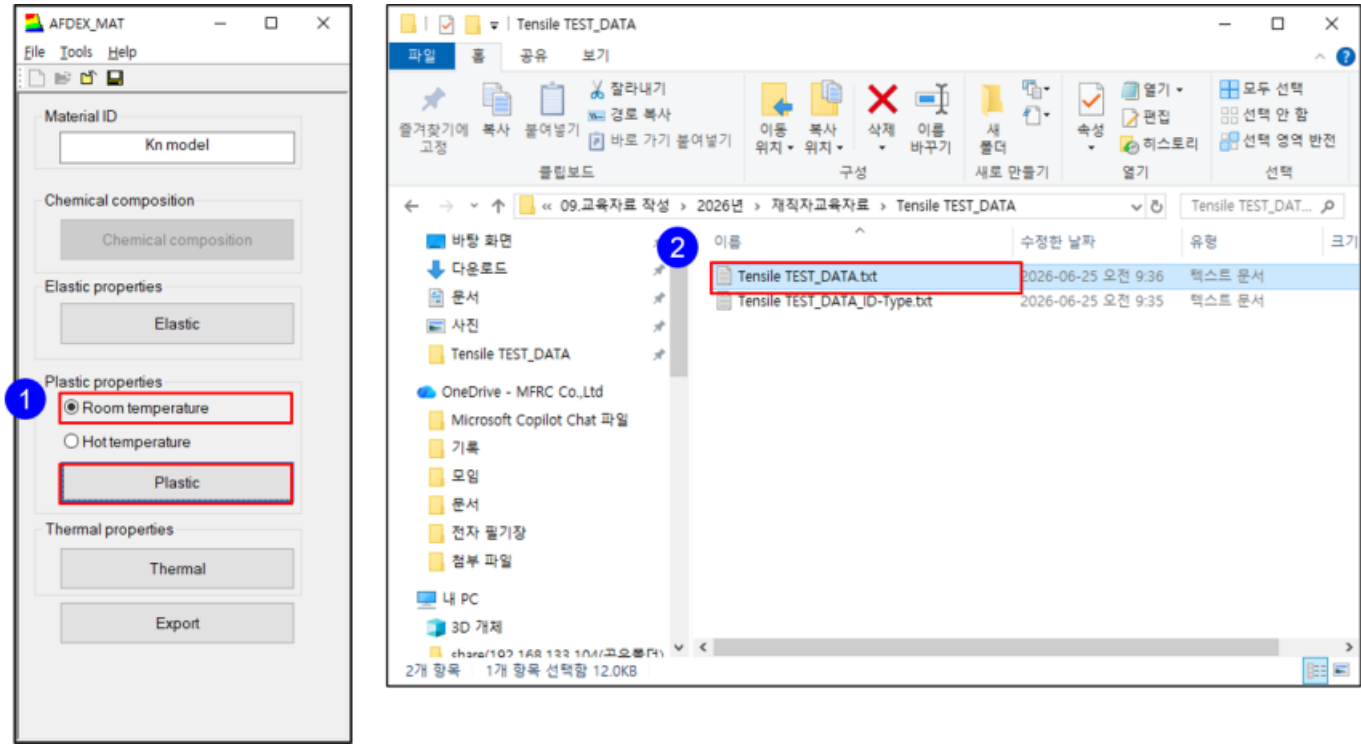
가 , 가 .

[

(Plastic)

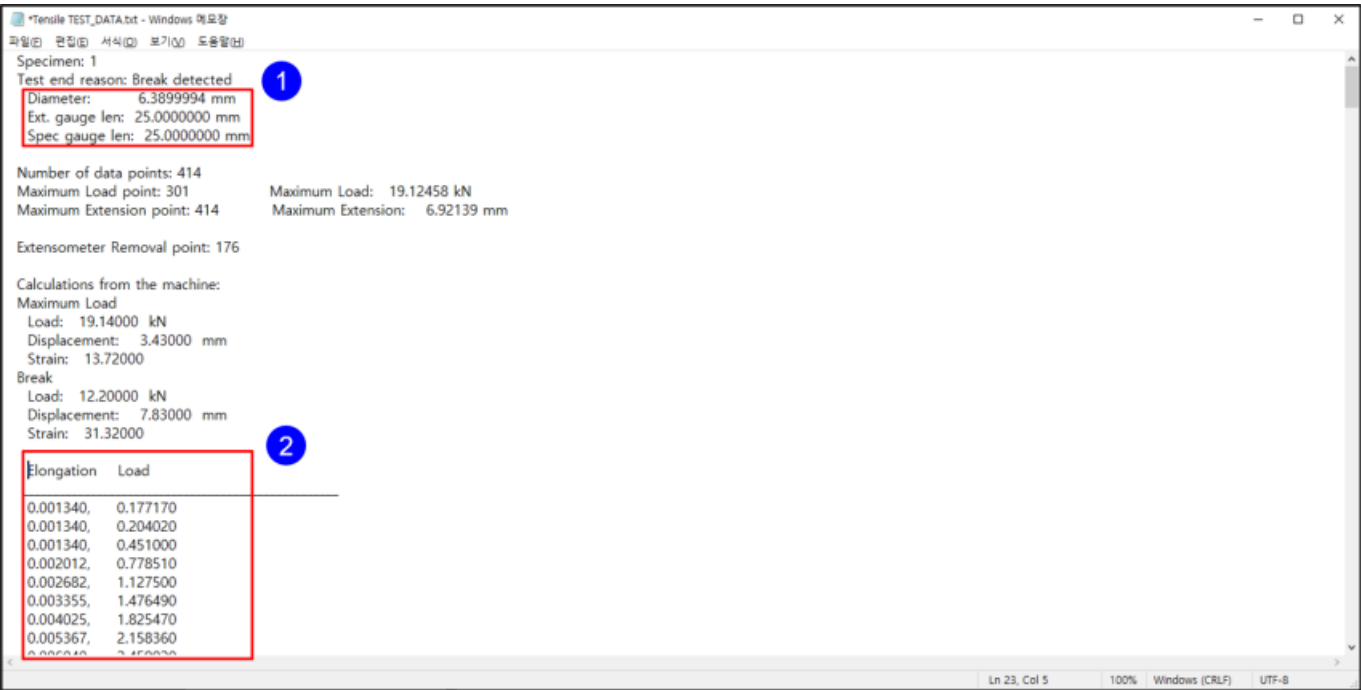
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1. “Room temperature” , “Plastic” .
2. .

[(Plastic) _]



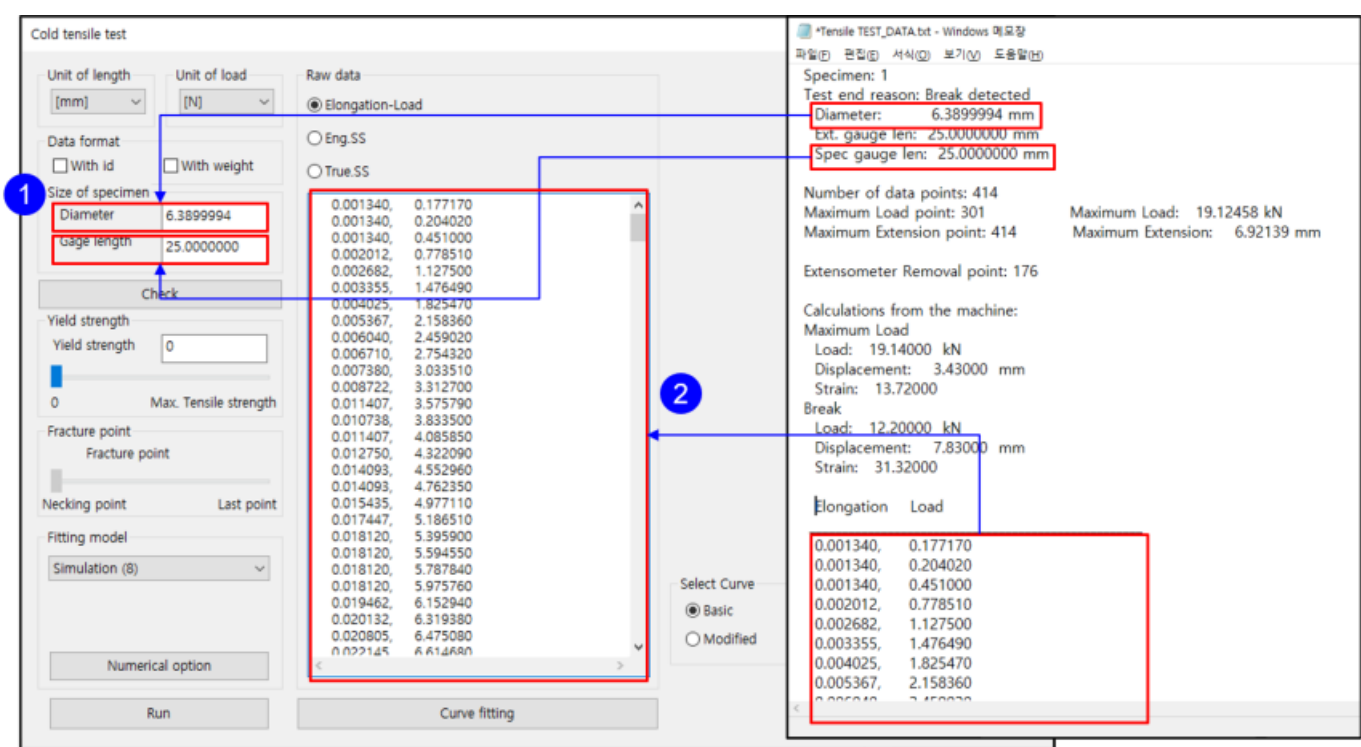
1. .
2. (Elongation), (Load) .(ID)

[

(Plastic)

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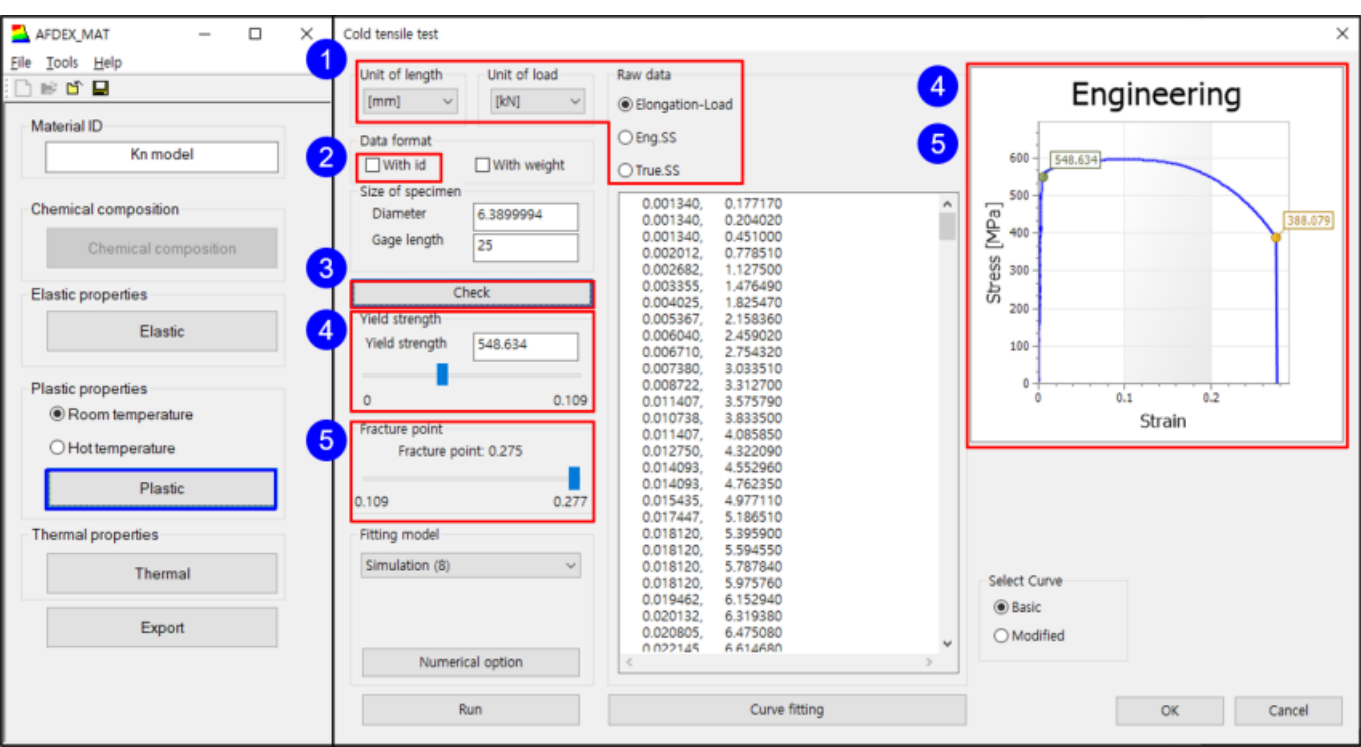
1.
2. (Elongation), (Load)

[

(Plastic)

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1.
2. ID .("With id")

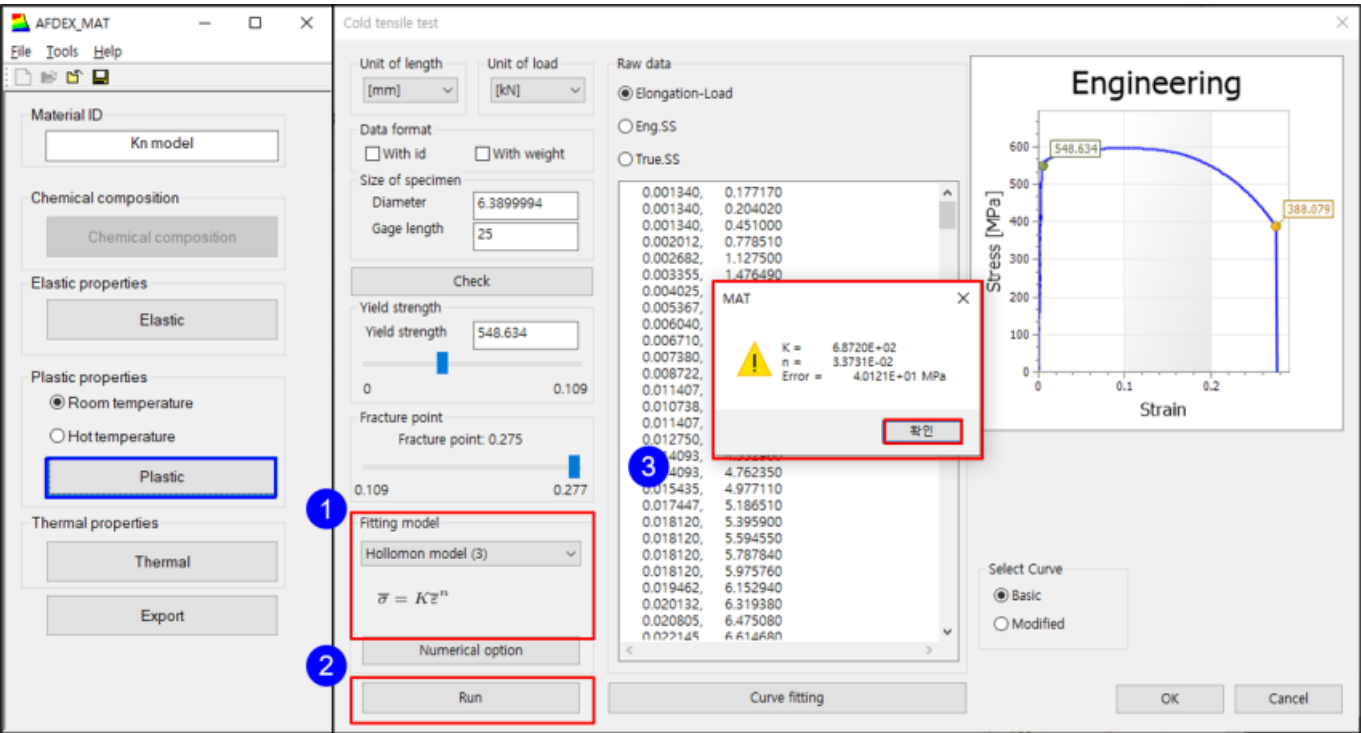
3. “Check”
4. (
-)
5. (
-)

[

(Plastic)

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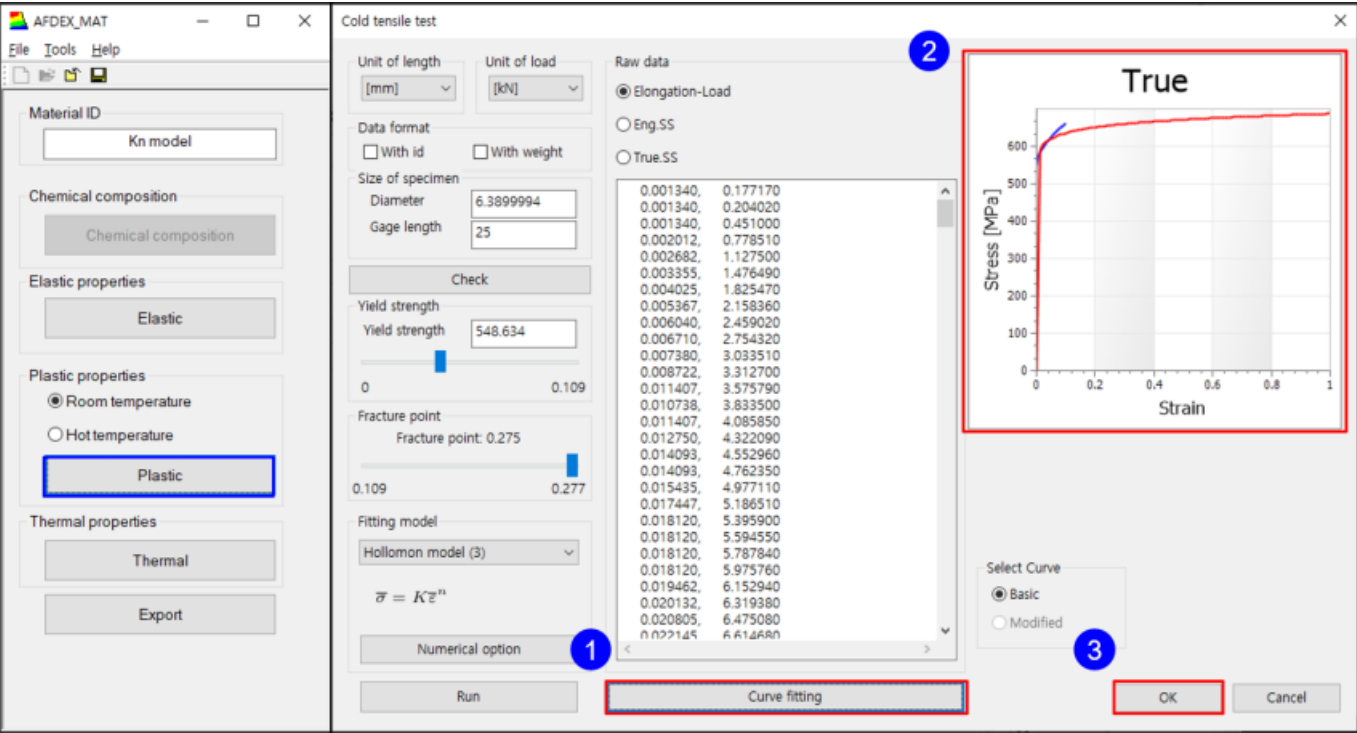
1. “Hollomon model (3)”
2. “Run”
3. “MAT”
- ,
- “
- ”
- .

[

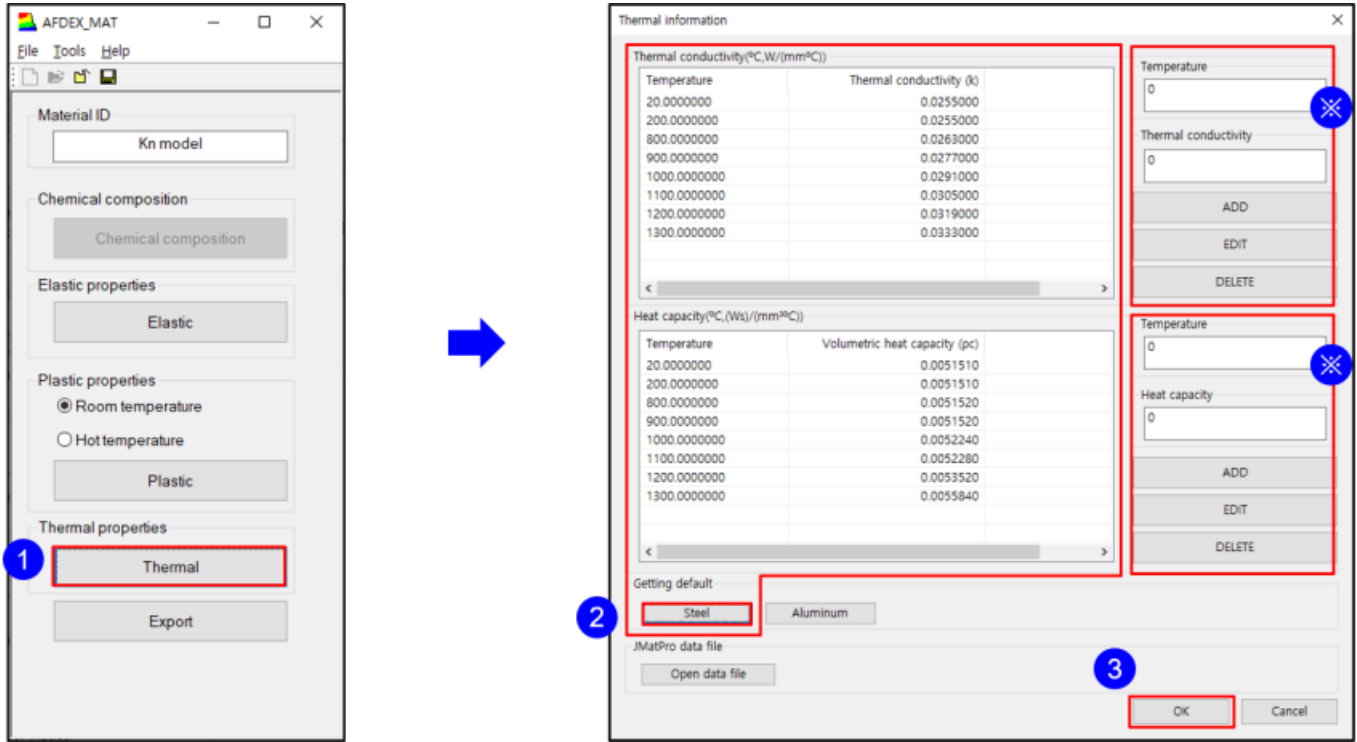
(Plastic)

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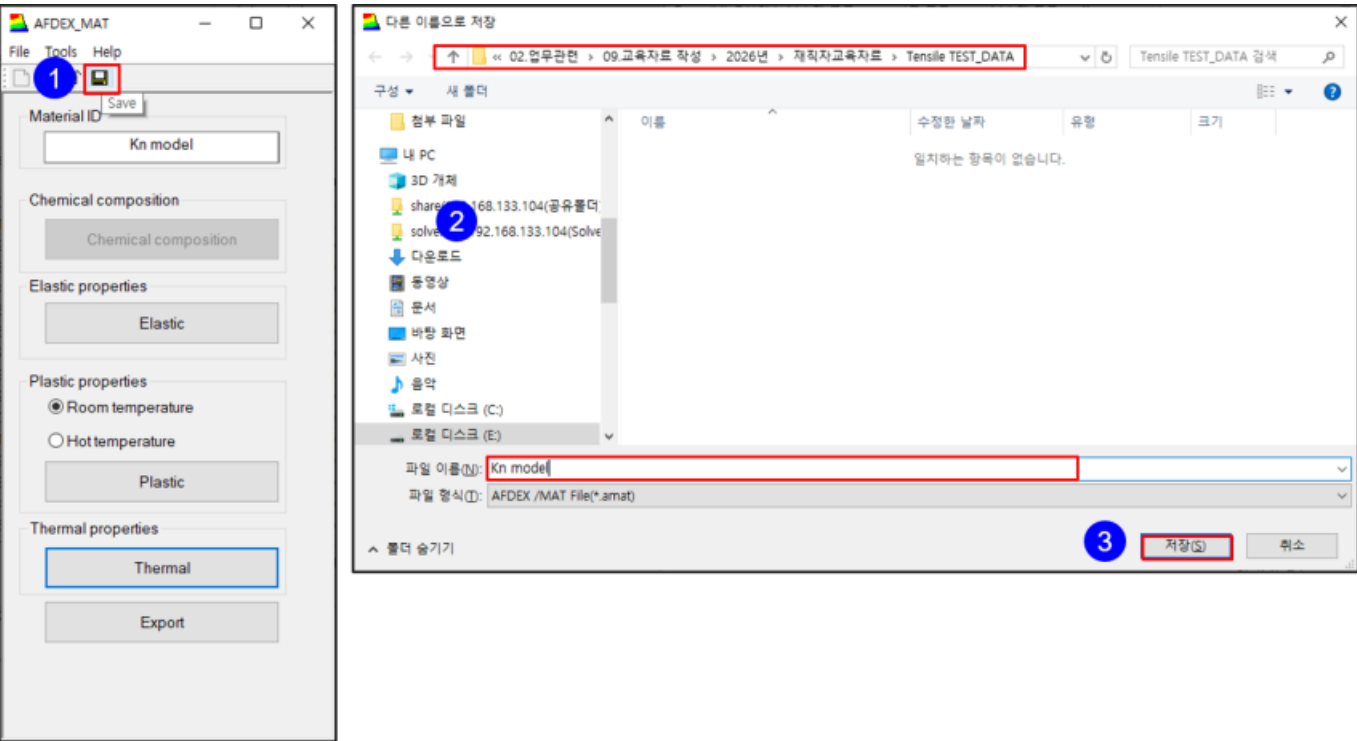


[(Thermal)]



가 . , “ADD” ,

[AFDEX_MAT]



1. “Save” .

2. “ ” ,

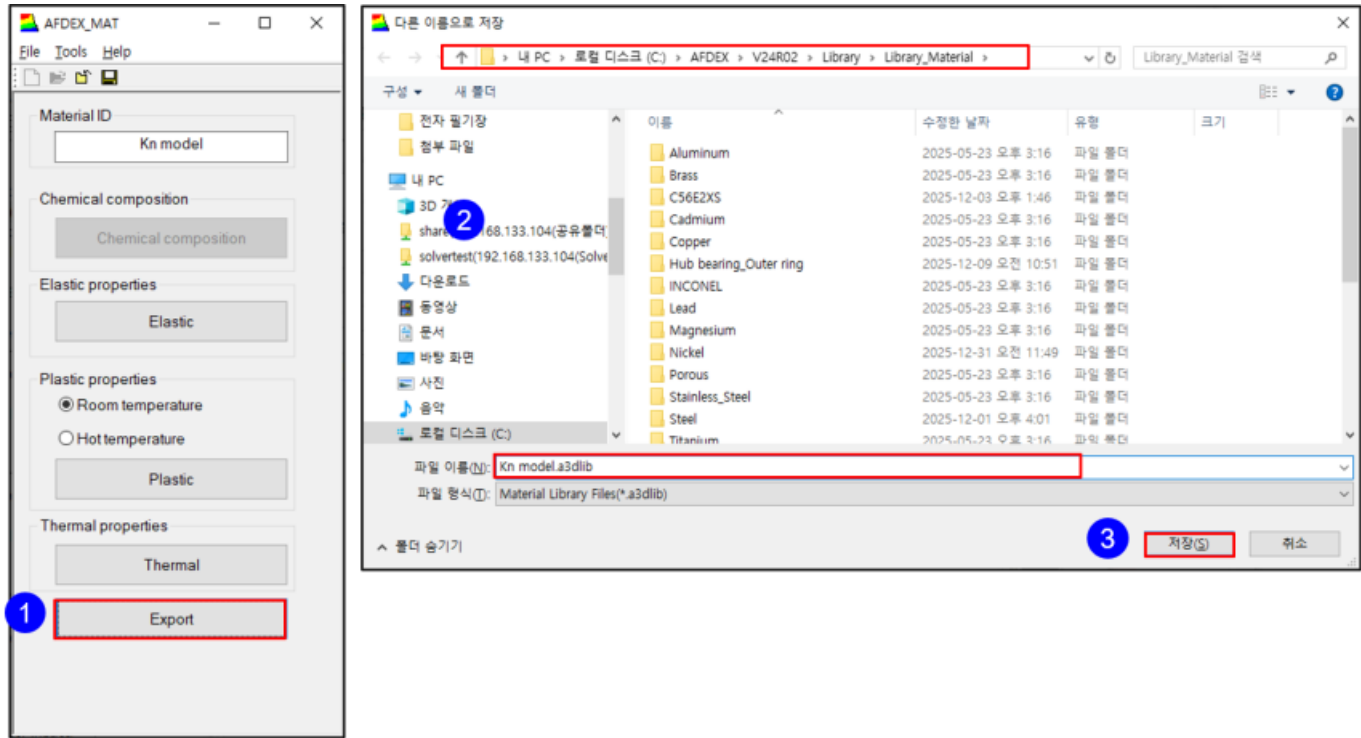
3. “ ” .

☐※ “***.amat” AFDEX_MAT .

AFDEX_MAT “ ” ,

가 .

[]



1. “Export”
2. “ ” ,
3. “ ” .

☐☐※ C

→ AFDEX → V24R02 → Library → Library_Material

AFDEX

’ “ : 가 ” , .

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