

Edit Material [X]

Name: s235jr

Description:

Material Behaviors

Density

Elastic

Plastic

General Mechanical Thermal Other

Elastic

Type: Isotropic

Use temperature-dependent data

Number of field variables: 0

Moduli time scale (for viscoelasticity): Long-term

No compression

No tension

Data

	Young's Modulus	Poisson's Ratio
1	210000	0.3

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Name: s235jr

Description:

Material Behaviors

Density

Elastic

Plastic

General Mechanical Thermal Other

Plastic

Hardening: Isotropic

Use strain-rate-dependent data

Use temperature-dependent data

Number of field variables: 0

Data

	Yield Stress	Plastic Strain
1	240.26	0
2	246.26	0.0246
3	367.41	0.1026
4	439.38	0.1698
5	470	0.2478
6	490	0.3477