

Physical Properties

Physical Properties : CRSS

Property	301-Grade	304-Grade	316-Grade	301S-Grade	430-Grade	409-Grade
Density (gm/cm ³)	7.9	7.9	8.0	7.9	7.7	7.7
Modulus of Elasticity (Kg/mm ²)	19700	19700	19700	20300	20300	20300
Specific Heat Capacity (Cal/gm/°C)	0.12	0.12	0.12	0.12	0.11	0.11
Thermal Conductivity (Cal/cm ² /sec/°C/cm at 100°C)	0.039	0.039	0.0373	0.033	0.0625	0.0595
Specific Electrical Resistance (mW/cm ³)	72	72	74	80	60	57
Melting Range (°C)	1400-1420	1400-1455	1370-1400	1400-1455	1430-1510	1430-1510
Magnetic	Non Magnetic	Non- Magnetic	Non- Magnetic	Non- Magnetic	Ferro- Magnetic	Ferro- Magnetic

Note :- Material with specific physical properties can be provided with mutual discussin.