

## ■ Cerasolzer Physical Properties

reference purpose use only

Cerasolzer Types	Elements	Melt at (°C)	Solid at (°C)	Specific Gravity	Surface Shineness	Solder Peel Strength
Cerasolzer Eco #155	Sn-In	155	106	7.1	◎	◎ Appx.4. 0kg
Cerasolzer Eco #182	Sn-In	182	145	7.1	○	◎ Appx.4. 2kg
Cerasolzer Eco #217	Sn-Zn	217	199	7.3	◎	○ Appx.2. 3kg
Cerasolzer#186	Sn-Pb	186	169	8.4	◎	○ Appx.2. 0kg
Cerasolzer#224	-	-	-	-	-	-
Cerasolzer#246	-	-	-	-	-	-
Cerasolzer#297	-	-	-	-	-	-



Note: CerasolzerEco is a lead free solder & Cerasolzer contains lead.

Cerasolzer Types	Upper Nbr. Pull Strength (MPa)						Young's Module (GPa) 100°C	Poisson ratio	Thermal Expansion (× 10 <sup>-6</sup> ) 0~100°C	Hardness	Elec. Conductivity (Ω·cm) 25°C
	Lower Nbr. Elongation (%)										
	9°C	16°C	50°C	100°C	125°C	150°C					
Cerasolzer Eco #155	38.29 6.50	38.29 6.50	24.11 10.60	11.10 26.80	-	-	16.14	-	23.90	14.4Hv0.05/30	19.2
Cerasolzer Eco #182	47.95 3.80	47.95 3.80	- -	20.50 15.30	6.35 1.20	-	30.08	-	23.26	14.4Hv0.05/30	17.9
Cerasolzer Eco #217	76.58 44.00	76.58 44.00	- -	30.74 58.30	27.37 57.60	-	49.09	-	21.91	23.1Hv0.1/30	14.7
Cerasolzer#186	-	70.56 2.70	- -	32.34 6.00	-	18.62 61.00	-	-	23.50	18.3Hv -	14.0
Cerasolzer#224	-	-	-	-	-	-	-	-	-	-	-
Cerasolzer#246	-	52.92 9.00	- -	24.50 14.00	-	12.74 82.00	-	-	24.00	14.9Hv -	16.5
Cerasolzer#297	-	41.16 36.00	- -	21.56 50.00	-	15.68 50.00	-	-	28.70	12.6Hv -	21.0