



Technical e-letter

Dear customers, we are pleased to inform you that the list of Ampco and Ampcoloy included in the database of Moldflow has been extended.

Although Ampcoloy 940 has been included in the database of the Moldflow program for many years, it has been now extended as per hereunder:



Mechanical Properties

Manufacturer	Trade Name	Mold Density (g/cm ³)	Mold Specific Heat (J/kg-C)	Mold Thermal Conductivity (W/m-C)	E (MPa)	v	CTE (1/C)
Ampco Metal	AMPCO 18	7.45	420	63.00	117000	0.32	1.62E-05
Ampco Metal	AMPCOLOY 83	8.26	420	106.00	131000	0.30	1.75E-05
Ampco Metal	AMPCOLOY 88	8.75	420	230.00	130000	0.30	1.70E-05
Ampco Metal	AMPCOLOY 940	8.71	380	208.00	131000	0.31	1.75E-05
Ampco Metal	AMPCOLOY 95	8.75	420	208.00	130000	0.30	1.70E-05
Ampco Metal	AMPCOLOY 972	8.90	380	320.00	120000	0.31	1.70E-05
Ampco Metal	AMPCO M4	7.45	450	42.00	124000	0.33	1.60E-05
Ampco Metal	AMPCOLOY 944	8.69	380	156.00	151000	0.31	1.57E-05
Ampco Metal	AMPCOLOY 83S	8.26	420	135.00	130000	0.30	1.75E-05

Data can be entered manually in the meantime by users as per here above mentioned values until the next update of their database.

E stands for modulus of elasticity
 v stands for Poisson' s ratio
 CTE stands for coefficient of expansion per °C (1/°C)

More info on: <http://www.ampcometal.com/>

