TKM 2099 - X5 CrMn 13+S6-TR

Applications areas

Base plates, moud bases, plastic moulds with standard demands on polishability that must display resistance to condensation and cooling water.

Steel properties

The TKM 2099 is a new generation of corrosion-resistant, superbly machinable steel for plastic moulding and is supplied with an hardness of approximatively 320 HB. The reduced carbon content gives TKM 2099 improved a good possibility of weld surfacing.

Chemical composition

in %

C	Mn	S	Cr	Cu
0,05	1,3	0,15	12,5	+

Physical Properties

Thermal conductivity			
° C	20	150	350
W/(m.k)	21,8	22,5	23,8

Thermal expansion					
° C	20-100	20-200	20-300	20-400	20-500
10^{-6} m / (m.k)	10,0	10,6	11	11,3	11,6

Etat de livraison

Hardness as delivered for 310-350 HB (hardened and tempered)

Available stock

Flat bars

mm	20	25	30	40	45	50	55	60	65	70	75	80	90	105	115	135	150	175	205
1010	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
1600										●									
2000	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●	●