



AVAILABLE STEEL MATERIALS

Steel Grade	LKM 420		Su	pplier	LKM			
Steel Type	Plastic Mould St	eel	Updat	ing Price	Check			
Standard and Certificate	420	20						
State as Delivered and Hardness	Annealed to HB	240(MAX	(.)					
Typical Chemical	Component			С	Cr		Mn	
Composition	Percent			0.38	13.0		0.5	
Steel Properties	-							
Steel Applications	High corrosion re	esistance	plastic					
Austenitizing Temperature			Quench	ing Metho	d			
Tempering		_						
Temperature and Hardness Cross	180°C	180°C 225°C 300°C 570°C 61					610°C	
Reference								
As to the	As to the heat treatment process,refer to the product's							
	sp	ecific	ation					

Steel Grade	LKM 420H		Su	pplier	LKM			
Steel Type	Plastic Mould St	teel	Updat	ing Price	Check			
Standard and Certificate	420	20						
State as Delivered and Hardness	Prehardened to I	HB 290 -	330					
Typical Chemical	Component			С	Cr	Mn		
Composition	Per	cent		0.38	13.0	0.5		
Steel Properties	-							
Steel Applications	High corrosion re	esistance	plastic					
Austenitizing Temperature			Quenchi	ing Metho	od			
Tempering								
Temperature and Hardness Cross	180°C	610°C						
Reference								
	Prehai	rdened	Condit	ion				

Steel Grade	LKM 420H		Su	pplier	LKM		
Steel Type	Plastic Mould S	teel	Updat	ing Price	Check		
Standard and Certificate	420	20					
State as Delivered and Hardness	Prehardened to	HB 290 -	330				
Typical Chemical	Component			С	Cr		Mn
Composition	Pe	Percent			13.0	0	0.5
Steel Properties	-						
Steel Applications	High corrosion r	esistance	plastic				
Austenitizing Temperature		•	Quenchi	ing Metho	od		
Tempering							
Temperature and Hardness Cross	180°C	00.G	570°C	6	10°C		
Reference							
	Preha	rdened	Condit	ion			

Steel Grade	LKM 738		Supplie	er	LKM			
Steel Type	Plastic Mould Steel		Updating F	Price	Check			
Standard and Certificate	P20+Ni	P20+Ni						
State as Delivered and Hardness	Prehardened to HB 2	90 - 33	30					
Typical Chemical	Component		С	Cr	Ni	Mn	Мо	
Composition	Percent		0.37	2.0	1.0	1.1	0.4	
Steel Properties	High quality preharde machinability.	ned ty	pe tool stee	el, unifor	m in hai	rdness a	and high	
Steel Applications	Mould with high tough	ness	and good fi	nishing.				
Austenitizing Temperature		Qı	uenching N	Method				
Tempering								
Temperature and Hardness Cross	180°C 229	70°C 610°C						
Reference								
	Preharden	ed C	ondition					

Steel Grade	LKM 738H		Supplie	er	LKM			
Steel Type	Plastic Mould	Steel	Updating Price Check					
Standard and Certificate	P20+Ni	² 20+Ni						
State as Delivered and Hardness	Prehardened to	HB 330 -	370					
Typical Chemical	Component C Cr			Ni	Mn	Мо		
Composition	Perd	ent	0.37	2.0	1.0	1.1	0.4	
Steel Properties	High quality pr machinability.	ehardened	type tool stee	el, unifor	m in har	dness a	nd high	
Steel Applications	Mould with hig	h toughnes	s and good fi	nishing.				
Austenitizing Temperature		(Quenching N	lethod				
Tempering		-						
Temperature and Hardness Cross	180°C	225°C	300.C		5 70 °C	6	610°C	
Reference								
	Preh	ardened	Condition				·	

Steel Grade	LKM 808E	LKM 808E Supplier LKM						
Steel Type	Plastic Mould	Plastic Mould Steel Updating Price Check						
Standard and Certificate	AISI P21 ESR							
State as Delivered and Hardness	HB360~415							
Typical Chemical	Com	ponent		С	Mn	Ni	Мо	
Composition	Pe	rcent		0.1	1.5	3.0	0.35	
Steel Properties	High handness	s, good fo	r polishi	ing and te	exturing			
Steel Applications	Suitable for mo	ould with i	requiren	nent of hi	gh hardi	ness.		
Austenitizing Temperature			Quen	ching Me	ethod			
Tempering								
Temperature and Hardness Cross	180°C	180°C 225°C 300°C 570°C 610°C						
Reference								
Prehar	dened Steel.	No he	at tre	eatment	is re	quired		

Steel Grade	LKM 818H	LKM 818H Supplier LKM						
Steel Type	Plastic Mould	Steel	Updating Price Check					
Standard and Certificate	P20 Modified	² 20 Modified						
State as Delivered and Hardness	Prehardened to	HB 330	- 370					
Typical Chemical	Compoi		С	Si	Cr	Ni	Mn	Мо
Composition	Perce	nt	0.38	0.3	2.0	1.0	1.4	0.2
Steel Properties	Prehardened ty 1.0% Ni.	/pe, high	purity with	isotrop	oic mic	rostructi	ure cont	ains
Steel Applications	High quality more POM, PS, PE,			uitable f	for plas	tic mou	ld of PA	۸,
Austenitizing Temperature			Quenchi	ng Met	thod			
Tempering								
Temperature and Hardness Cross	180°C 225°C 300°C 570°C 61					61	0.G	
Reference								
	Preh	ardened	Condit	ion	·			

Steel Grade	LKM 838H		Supplier	LKM					
Steel Type	Plastic Mould S	teel	Updating Price	Check					
Standard and Certificate	P20 Modified	'20 Modified							
State as Delivered and Hardness	Prehardened to	ehardened to HB330-360							
Typical Chemical Composition	Patent Pending								
Steel Properties	suitable for mad	Specific chemistry and metallurgy process ensure LKM838H is more suitable for machining, polishing, welding and etching than most of conventional P20 steels of the same hardness level.							
Steel Applications	resistance, high	hardness a	y mould inserts and good polishir E, PP, ABSet	ng ability, for					
Austenitizing Temperature		Qı	enching Metho	od					
Tempering									
Temperature and Hardness Cross	180°C	225°C 300°C 570°C							
Reference									
	Prehardened Condition								

Steel Grade	LKM C1100P		Sup	plier	LKM S MATE	SPECIAL RIAL		
Steel Type	Non-Ferrous N	1etal	Updati	ng Price	Check	:		
Standard and Certificate	JIS H3100	IS H3100						
State as Delivered and Hardness	-							
Typical Chemical		Compor		Cu				
Composition		Perce	nt			99.95		
Steel Properties	Extremely high		d electri	cal cond	uctivity, hig	h machinability,		
Steel Applications	EDM copper e	lectrode.						
Austenitizing Temperature	-	C	Quenchii	ng Meth	od -			
Tempering	180°C	225°C	30	0.C	570°C	610°C		
Temperature and Hardness Cross	-	-	3000		-	0100		
Reference								

Steel Grade	LKM H13 Supplier Lk					LKM			
Steel Type	Hot Working S	Steel	U	pdati	ng Pri	ce	Check		
Standard and Certificate	AISI H13 / DIN	AISI H13 / DIN 1.2344							
State as Delivered and Hardness	Annealed to H	B 230(ma	x)						
Typical Chemical	Compo	Component		С	Si	Cr	Mn	Мо	V
Composition	Perce	ent	0.	37	0.9	5.0	0.5	1.3	1.0
Steel Properties									
Steel Applications									
Austenitizing Temperature			Que	enchi	ng Met	hod	-		
Tempering	180°C 225°C 300°C 570°C 610						D:0		
Temperature and							5/00		0.0
Hardness Cross Reference	-	-			-		-		

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