



AVAILABLE STEEL MATERIALS

Steel Grade	LKM 420	Supplier	LKM		
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>		
Standard and Certificate	420				
State as Delivered and Hardness	Annealed to HB 240(MAX.)				
Typical Chemical Composition	Component	C	Cr	Mn	
	Percent	0.38	13.0	0.5	
Steel Properties	-				
Steel Applications	High corrosion resistance plastic				
Austenitizing Temperature			Quenching Method		
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C
As to the heat treatment process, refer to the product's specification					

Steel Grade	LKM 420H	Supplier	LKM		
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>		
Standard and Certificate	420				
State as Delivered and Hardness	Prehardened to HB 290 - 330				
Typical Chemical Composition	Component	C	Cr	Mn	
	Percent	0.38	13.0	0.5	
Steel Properties	-				
Steel Applications	High corrosion resistance plastic				
Austenitizing Temperature			Quenching Method		
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C
Prehardened Condition					

Steel Grade	LKM 420H	Supplier	LKM		
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>		
Standard and Certificate	420				
State as Delivered and Hardness	Prehardened to HB 290 - 330				
Typical Chemical Composition	Component	C	Cr	Mn	
	Percent	0.38	13.0	0.5	
Steel Properties	-				
Steel Applications	High corrosion resistance plastic				
Austenitizing Temperature			Quenching Method		
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C
Prehardened Condition					

Steel Grade	LKM 738	Supplier	LKM			
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>			
Standard and Certificate	P20+Ni					
State as Delivered and Hardness	Prehardened to HB 290 - 330					
Typical Chemical Composition	Component	C	Cr	Ni	Mn	Mo
	Percent	0.37	2.0	1.0	1.1	0.4
Steel Properties	High quality prehardened type tool steel, uniform in hardness and high machinability.					
Steel Applications	Mould with high toughness and good finishing.					
Austenitizing Temperature			Quenching Method			
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C	
Prehardened Condition						

Steel Grade	LKM 738H	Supplier	LKM			
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>			
Standard and Certificate	P20+Ni					
State as Delivered and Hardness	Prehardened to HB 330 - 370					
Typical Chemical Composition	Component	C	Cr	Ni	Mn	Mo
	Percent	0.37	2.0	1.0	1.1	0.4
Steel Properties	High quality prehardened type tool steel, uniform in hardness and high machinability.					
Steel Applications	Mould with high toughness and good finishing.					
Austenitizing Temperature			Quenching Method			
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C	
Prehardened Condition						

Steel Grade	LKM 808E	Supplier	LKM			
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>			
Standard and Certificate	AISI P21 ESR					
State as Delivered and Hardness	HB360~415					
Typical Chemical Composition	Component	C	Mn	Ni	Mo	
	Percent	0.1	1.5	3.0	0.35	
Steel Properties	High handness, good for polishing and texturing					
Steel Applications	Suitable for mould with requirement of high hardness.					
Austenitizing Temperature			Quenching Method			
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C	
Prehardened Steel. No heat treatment is required						

Steel Grade	LKM 818H	Supplier	LKM				
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>				
Standard and Certificate	P20 Modified						
State as Delivered and Hardness	Prehardened to HB 330 - 370						
Typical Chemical Composition	Component	C	Si	Cr	Ni	Mn	Mo
	Percent	0.38	0.3	2.0	1.0	1.4	0.2
Steel Properties	Prehardened type, high purity with isotropic microstructure contains 1.0% Ni.						
Steel Applications	High quality mould inserts, best suitable for plastic mould of PA, POM, PS, PE, PP, ABS.						
Austenitizing Temperature			Quenching Method				
Tempering Temperature and Hardness Cross Reference							
	180°C	225°C	300°C	570°C	610°C		
Prehardened Condition							

Steel Grade	LKM 838H	Supplier	LKM				
Steel Type	Plastic Mould Steel	Updating Price	<input type="button" value="Check"/>				
Standard and Certificate	P20 Modified						
State as Delivered and Hardness	Prehardened to HB330-360						
Typical Chemical Composition	Patent Pending						
Steel Properties	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	Best suitable for high quality mould inserts which require good wear resistance, high hardness and good polishing ability, for example, plastic moulding PA, PS, PE, PP, ABS...etc. polymer.						
Austenitizing Temperature			Quenching Method				
Tempering Temperature and Hardness Cross Reference							
	180°C	225°C	300°C	570°C	610°C		
Prehardened Condition							

Steel Grade	LKM C1100P	Supplier	LKM SPECIAL MATERIAL		
Steel Type	Non-Ferrous Metal	Updating Price	<input type="button" value="Check"/>		
Standard and Certificate	JIS H3100				
State as Delivered and Hardness	-				
Typical Chemical Composition	Component			Cu	
	Percent			99.95	
Steel Properties	Extremely high purity, good electrical conductivity, high machinability, low deformation.				
Steel Applications	EDM copper electrode.				
Austenitizing Temperature	-		Quenching Method	-	
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C
	-	-	-	-	-

Steel Grade	LKM H13	Supplier	LKM				
Steel Type	Hot Working Steel	Updating Price	<input type="button" value="Check"/>				
Standard and Certificate	AISI H13 / DIN 1.2344						
State as Delivered and Hardness	Annealed to HB 230(max)						
Typical Chemical Composition	Component	C	Si	Cr	Mn	Mo	V
	Percent	0.37	0.9	5.0	0.5	1.3	1.0
Steel Properties							
Steel Applications							
Austenitizing Temperature			Quenching Method	-			
Tempering Temperature and Hardness Cross Reference	180°C	225°C	300°C	570°C	610°C		
	-	-	-	-	-		

RM1407,Platinum Hotel,BaoMin No.1 Road,BaoAn District,ShenZhen City,China

Tel: +86 0755 26098435 Fax: +86 0755 82320135

Email: market@sinoeng.cn