


## AISI Type M35 Molybdenum High Speed Tool Steel (UNS T11335)

**Categories:** [Metal](#); [Ferrous Metal](#); [Tool Steel](#)

**Material Notes:** Used in high speed tool and cutting applications such as drills, milling processes, reamers, etc. Mo content promotes toughness, but requires more precise hardening conditions and caution about overheating.

**Vendors:** No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

 [Printer friendly version](#)  [Download as PDF](#)  [Download to Excel \(requires Excel and Windows\)](#)

 [Export data to your CAD/FEA program](#)

Add to Folder:  0/0

Component Elements Properties	Metric	English	Comments
Carbon, C	0.82 - 0.88 %	0.82 - 0.88 %	
Chromium, Cr	3.75 - 4.0 %	3.75 - 4.0 %	
Cobalt, Co	4.5 - 5.5 %	4.5 - 5.5 %	
Copper, Cu	<= 0.25 %	<= 0.25 %	
Iron, Fe	73.71 - 78.83 %	73.71 - 78.83 %	
Manganese, Mn	0.15 - 0.40 %	0.15 - 0.40 %	
Molybdenum, Mo	4.5 - 5.5 %	4.5 - 5.5 %	
Nickel, Ni	<= 0.30 %	<= 0.30 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	0.20 - 0.45 %	0.20 - 0.45 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	0.06 to 0.15% may be specified to improve machinability
Tungsten, W	5.5 - 6.75 %	5.5 - 6.75 %	
Vanadium, V	1.75 - 2.2 %	1.75 - 2.2 %	

**H.O.:-** 414/416, Maulana Azad Rd, Mumbai - 400 004  
 +91 22 - 2385 0143, 2387 2168, 6639 4243, 6636 3466  
 © +91 98213 25977 amit.supremesteel@gmail.com

**Branch:-** 15/1 Dwarkesh Industrial Estate,  
 Gulwe Vasti, Bhosari, Pune - 411 026.  
 + 91 20-2712 4335 / 2712 1060 © +91 94215 41189  
 supremesteelind@hotmail.co.in