

## Latrobe Cascade, P21 Prehardened Die Steel (AISI P21)

Category : Metal , Ferrous Metal , Stainless Steel , Precipitation Hardening Stainless , Tool Steel , Mold Steel

### Material Notes:

Cascade is a precipitation hardening steel which has won enthusiastic acclaim as a mold steel for injection molding of thermoplastics. Cascade is also an excellent choice for many zinc die casting dies because of its resistance to heat checking and wash. A further wide usage for Cascade is as a holding block material for die casting dies and plastic molds when high strength is mandatory. Information Provided by Timken Latrobe Steel. Timken sold Latrobe in December 2006. They are now Latrobe Specialty Steels Co.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Latrobe-Cascade-P21-Prehardened-Die-Steel-AISI-P21.php](http://www.lookpolymers.com/polymer_Latrobe-Cascade-P21-Prehardened-Die-Steel-AISI-P21.php)

Mechanical Properties	Metric	English	Comments
Machinability	60 %	60 %	AISI B1112

Component Elements Properties	Metric	English	Comments
Aluminum, Al	1.2 %	1.2 %	
Carbon, C	0.20 %	0.20 %	
Chromium, Cr	0.25 %	0.25 %	
Iron, Fe	93.45 %	93.45 %	
Manganese, Mn	0.30 %	0.30 %	
Nickel, Ni	4.1 %	4.1 %	
Silicon, Si	0.30 %	0.30 %	
Vanadium, V	0.20 %	0.20 %	

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