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**Determination of percentage of  
resolvable pearlite in high carbon  
steel wire rod**

*Détermination du pourcentage de perlite résoluble dans les fils  
machine en acier à haut carbone*

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## Foreword

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The committee responsible for this document is ISO/TC 17, *Steel*, Subcommittee SC 7, *Methods of testing (other than mechanical tests and chemical analysis)*.

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## Introduction

This test method produces an estimate of the percentage of pearlite resolvable at 500x magnification in wire rod as a function of the cooling method after hot rolling to rod. The drawability of high-carbon pearlitic rod is influenced by the amount of resolvable pearlite present. As the percentage of resolvable pearlite increases, drawability decreases. The methods are used to check if the content of resolvable pearlite can fulfil the requirement of the wire rod with improved characteristics intended for drawing.

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