Mindluster Platform

About the course Piping material selection fundamentals

Piping material selection course, in this course we will learn about piping material selection. This comprehensive course is designed to provide a deep understanding of the factors and criteria involved in choosing the right materials for piping systems in various applications. Starting with the basics, we will cover the fundamental properties of different piping materials, including metals, plastics, and composites. The course will delve into key selection criteria such as corrosion resistance, temperature and pressure ratings, mechanical strength, and cost considerations. We will explore the specific requirements for various industries, including chemical processing, oil and gas, water treatment, and high-temperature systems. Practical case studies and examples will illustrate how to apply these criteria to real-world scenarios, ensuring optimal performance, safety, and cost-effectiveness. Additionally, we will discuss advanced materials and emerging technologies in piping systems. Safety considerations, regulatory compliance, and best practices for material selection will also be covered. By the end of the course, participants will have a thorough understanding of how to select the most appropriate piping materials for their specific needs, ensuring the reliability and efficiency of their piping systems. Whether you are a beginner or an experienced professional, this course will equip you with the essential knowledge and skills to excel in the field of piping material selection.

Engineering Category's Courses

Course Lesson(14)

Lesson 1 : **Piping Material Selection Piping Training Course Video 1**

Lesson 2 : **Ferrous Metal Difference Between Carbon Steel and Cast Steel Piping Training Video 2**

Lesson 3 : **What is Stainless Steel and Different Types of SS Piping Training Video 3**

Lesson 4 :
What is Alloy Steel in Process Piping Low alloy vs High alloy steel Piping Training Video 4

Lesson 5 : **Non Ferrous Metal Aluminum Copper Nickel Titanium Piping Training Video 5**

Lesson 6 : **Non Metal GRE GRP PVC CPVC Cement HDPE Piping Training Video 6**

Lesson 7 :
What is Difference between Clad and lined pipe Clad Vs Lined Pipe Piping Training Video 7

Lesson 8 : **Pipe Class and Piping Specification A Complete Guide**

Lesson 9 : **Pipeline Color Code Standard and Labels Charts A Complete Guide**

Lesson 10 : **Types of Pipe Support Used in Piping Seven Main Types**

Lesson 11 : **Learn about Spring Type and Hanger Type Pipe Support for Pipeline**

Lesson 12 : **What is the Difference Between Anchor Guide and Limit Stop in Pipe Support**

Lesson 13 : **What is Sour Service in Process Piping**

Lesson 14 : **What is the Difference Between ASME and ASTM materials**

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