

Specification of Competency Standards
for the Manufacturing Technology Industry
Unit of Competency

Functional Area - Product Manufacturing

Title	Apply foundation knowledge of plastic materials
Code	106440L3
Range	This unit of competency is applicable to all corporations of Manufacturing Technology Industry. Practitioners should be capable to understand the foundation knowledge of plastic materials and also apply relevant knowledge in daily work
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Understand relevant knowledge of plastic materials</p> <ul style="list-style-type: none"> • Understand the categories, chemical performance, physical and mechanical performance, usages and relevant processing procedures of the commonly used plastic materials • Recognise the characteristics and usages of different plastic materials • Understand all kinds of word meaning of plastic materials testing, including strength, tensile strength, shear stress, impact force and plastic deformation • Understand international plastic specifications and representing standards • Recognise the development of plastic materials and characteristics of new plastic <p>2. Apply knowledge of plastic materials</p> <ul style="list-style-type: none"> • Interpret the plastic material documents, specifications and descriptions • Use colour board to judge the plastic colour • Identify and select right plastic materials <p>3. Professional handling of knowledge of plastic materials</p> <ul style="list-style-type: none"> • Follow safety guidelines and related codes of practice, in accordance with the requirements of technologies and techniques, product specifications and production efficiency, apply different plastic materials
Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> • Capable to apply foundation knowledge of plastic materials in daily working areas • Capable to identify and select right plastic materials
Remark	