

New ASTM Standard for 6 mm Projectiles Used with Low Energy Air Guns

ASTM Technical Committee F08 (Subcommittee F08.24) has developed a new standard **ASTM F2679-07** for **6 mm Projectiles used with Low Energy Air Guns (LEAG)** and recently published in November, 2007. This standard laid down the requirements and characteristics for low energy air gun projectile which help to define whether a low energy air gun projectile is suitable for use in the sport commonly called airsoft. It also establishes the minimum warning and package labeling requirements for the purpose of ensuring the LEAG projectile is used in a safe manner, hence reducing the risk of injury.

The **low energy air gun (LEAG)** commonly refers to as airsoft gun, air soft gun, or soft air gun, is a device specifically designed to expel a low energy air gun projectile, by the release of energy by compressed air, compressed gas, mechanical springs, battery or a combination thereof, at energies commonly lower than 1.5 J.



The **low energy air gun projectile (LEAG projectile)** is defined as spherical, of 6 mm (0.24 inch) diameter, non-metallic and non-liquid filled projectile to be used in a low energy air gun.

The General & Package Labeling Requirements for the 6 mm LEAG Projectile	
General Requirements	<ul style="list-style-type: none"> ▪ Size: The diameter shall be within 5.8 mm (0.23 inch) - 6.0 mm (0.24 inch), as measured at 2 perpendicular axes. ▪ Weight: The weight shall be within +5% and -10% of the indicated weight.
Product package Labeling	<ul style="list-style-type: none"> ▪ Type size of print (for warnings, instructions, manufacturer's information): at least 8 points. ▪ Type size of signal word ("WARNING"): at least 50% larger than the letters in the other words in the cautionary statement. ▪ The Cautionary Statement shall read as: <ul style="list-style-type: none"> ▲ Warning – Airsoft guns are not toys. Misuse may cause serious injury, especially to the eye. Eye protection designed for airsoft must be worn by the user and any person within range. ▪ Additional information required on the packaging of LEAG projectiles: <ul style="list-style-type: none"> • The name and address of the manufacturer or distributor. • The caliber of the LEAG projectiles (in mm) and the weight of the LEAG projectiles (in g). • Instructions to the effect that the LEAG projectiles are intended only for use in low energy air guns, and that users should follow all safety rules.

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