

# PLASTIC LIMIT

## BE 06

Plastic limit (PL) is the moisture content at which a fine-grained soil cannot be remolded without cracking. The plastic limit test requires repeated rolling of a soil sample into a thread until it reaches a point where it crumbles.

Plastic limit (PL) along with shrinkage limit (SL) and liquid limit (LL) comprise the Atterberg limits.

The PL is expressed as a percentage of the weight of the oven-dry soil, at the boundary of plastic and semi-solid consistency. It is the moisture content at which the rolled soil will begin to crumble when rolled into a thread 3mm or 1/8<sup>th</sup> inch in diameter.

## STANDARD FOLLOWING

2720 (Part 5)-1985

## DESCRIPTION

BE 06-01	Ground Glass Plate	The ground glass plate having 30 cm (12 in.) sides and is square in shape with a thickness of 1 cm
BE 06-02	Spatula or a Pill knife	Consists of a blade of about 2cm width and 10 to 13 cm long.
BE 06-03	A metallic rod	a diameter of 3.2mm and 100mm long.
BE 06-04	Containers	Moisture Containers

BAL

