

USDA NCSS (Schoeneberger 2012)	
Plasticity Class	Criteria: make a roll of soil 4cm long
Nonplastic	Will not form a roll 6mm in diameter, or if a roll is formed, it can't support itself if held on end.
Slightly Plastic	6mm diameter roll supports itself; 4mm diameter roll does not.
Moderately Plastic	4mm diameter roll supports itself; 2mm diameter roll does not.
Very Plastic	2mm diameter roll supports its weight.

USCS (ASTMD2488)	
Plasticity Class	Criteria
Nonplastic	A 1/8" (3mm) thread cannot be rolled at any water content.
Low	The thread can barely be rolled and the lump cannot be formed when drier than the plastic limit.
Medium	The thread is easy to roll and not much time is required to reach the plastic limit. The thread cannot be rerolled after reaching the plastic limit. The lump crumbles when drier than the plastic limit.
High	It takes considerable time rolling and kneading to reach the plastic limit. The thread can rerolled several times after reaching the plastic limit. The lump can be formed without crumbling when drier than the plastic limit.

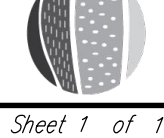



Designed	MSK	Date	10/17/15
Drawn	MSK		10/17/15
Checked	JA		10/31/15
Approved	MSK		3/19/16

PLASTICITY KEY

Field Plasticity Determination Tool

Per ASTM D 2488–09a, D 4318–10e, and NAIS

SoiloftheMonth.com



OF THE MONTH

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