

Table 2 - Classification of Soils and Soil-Aggregate Mixtures

General Classification	Granular Materials (35 Percent or Less Passing 75 mm)							Silt-Clay Materials (More Than 35 Percent Passing 75 mm)			
Group Classification	A-1			A-2							A-7
	A-1-a	A-1-b		A-3	A-2-4	A-2-5	A-2-6				A-2-7
	A-1-a	A-1-b	A-3	A-2-4	A-2-5	A-2-6	A-2-7	A-4	A-5	A-6	A-7-6 $IP > LL - 30$
Sieve analysis, percent passing:											
2.00 mm (No. 10)	50 max	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
0.425 mm (No. 40)	30 max	50 max	51 min	-----	-----	-----	-----	-----	-----	-----	-----
75 mm (No. 200)	15 max	25 max	10 max	35 max	35 max	35 max	35 max	36 min	36 min	36 min	36 min
Characteristics of fraction passing 0.425 mm (No. 40)											
Liquid limit	-----		-----	40 max	41 min	40 max	41 min	40 max	41 min	40 max	41 min
Plasticity index	6 max		NP	10 max	10 max	11 min	11 min	10 max	10 max	11 min	11 min ^a
Usual types of significant constituent materials	Stone fragments, gravel and sand		Fine Sand	Silty or clayey gravel and sand				Silty soils		Clayey soils	
General rating as subgrade	Excellent to Good							Fair to Poor			

^a Plasticity index of A-7-5 subgroup is equal to or less than $LL-30$. Plasticity index of A-7-6 subgroup is greater than $LL-30$. (See Figure 2.)

Indice de Grupo, $IG = (F-35) [0.2+0.005(LL - 40)] + 0.01(F-15)(IP - 10)$ (1)

F: % Finos

LL:Límite Líquido

IP: Indice de Plasticidad

- Para los grupos de suelos **A-2-6** or **A-2-7**, use solo el segundo sumando de la ecuación (1).
- **IG se asume como número entero**
- Si $IG < 0 \Rightarrow IG = 0$