

Hutcheson Technical & Soil Services 8 West Street South, Huntsville, Ontario, PIH-1P2 705-788-0407  
 chelseas@hutchesonsand.com



Hutcheson Technical & Soil Services

**USGA Sand Specifications & Penn State Specifications (Puhalla, 1999)**

Name	Particle Diameter	USGA Specs	Penn State Specs
Fine Gravel	2.0 - 3.4mm	3% Maximum Fine Gravel Max. 10% Combined	20% Maximum Combined
Very Course Sand	1.0 - 2.0mm		
Coarse Sand	0.5 - 1.0mm	60% Minimum Combined	50% Minimum 75% Maximum
Medium Sand	0.25 - 0.50mm		
Fine Sand	0.15 - 0.25mm	20% Maximum	25% Maximum
Very Fine Sand	0.05 - 0.15mm	5% Maximum	10% Maximum
Silt	0.002 - 0.05mm	5% Maximum	15% Maximum Combined
Clay Less than	0.002mm	3% Maximum	
Total Fines	Very Fine Sand + Silt + Clay Combined	10% Maximum	