

PVC(Polyvinyl chloride )			
powder granules	chemical ,weather resistance	window frames	wide range of techniques
sheet		cable insulation	needs UV stabilisers to stop from fading caused by sunlight
1.47 g/cm3		pencil cases	
		drainage pipes	

expanded polystyrene			
beads	lightw-eight	packaging	vacuum formed
sheets	buoyant	swimming floats	thermal properties
blocks	tough	cups	difficult to recycle when it is dirty
0.96-1.04 g/cm3	fragile	sound-heat insulation	
		beads in bean bags	

ABS			
granules	high impact strength	computer casings	excellent impact strength
tube	lightw-eight	mobile phones	wide range of techniques
sheet	hard, durable	safety helmets	coloured using pigments
1.0-1.05 g/cm3		car bumpers	more expensive

fluoroelastomer			
sheet	heat	rubber	
tube	chemical	gloves	
1.8 g/cm3	solvent resistant		
Urethane/polyurethane			
liquid	high load resistance	bags	thin sheets - >carrier bags
sheet	wear resistant	varnish	charge on carrier bags

granules	flexible	wheels	
foam	electrical resistance	furniture foam	
1.2 g/cm3			

styrofoam			
sheet	lightw-eight	fast-food packaging	easily formed - school equipment
0.05 g/cm3	buoyant	audio visual equipment packaging	hot wire requires good ventilation
		heat insulation	
		easily shaped	

Rigid/high-density polystyrene			
granules	lightw-eight	food packaging	easily recyclable
sheets	food safe		difficult to be recycled if dirty
wide range of colours	heat safe		

PET			
granules	lightw-eight	food packaging	excellent visual clarity
sheet	strong	bottles	pigments
1.38 g/cm3	food safe	electronic components coating	

