

<b>PVC(Polyvinyl chloride )</b>				<b>ABS</b>				<b>Rigid/high-density polystyrene</b>			
powder granules	chemical ,weather resistance	window frames	wide range of techniques	granules	high impact strength	computer casings	excellent impact strength	granules	lightw eight	food packaging	easily recyclable
sheet		cable insulation	needs UV stabilisers to stop fading caused by sunlight	tube	lightw-eight	mobile phones	wide range of techniques	sheets	food safe		difficult to be recycled if dirty
1.47 g/cm3		pencil cases		sheet	hard, durable	safety helmets	coloured using pigments	wide range of colours	heat safe		
		drainage pipes		1.0-1.05 g/cm3		car bumpers	more expensive				
<b>PVC(Polyvinyl chloride ) (copy)</b>				<b>fluoroelastomer</b>				<b>PET</b>			
powder granules	chemical ,weather resistance	window frames	wide range of techniques	sheet	heat	rubber		granules	lightw eight	food packaging	excellent visual clarity
sheet		cable insulation	needs UV stabilisers to stop fading caused by sunlight	tube	chemical	gloves		sheet	strong	bottles	pigments
1.47 g/cm3		pencil cases		1.8 g/cm3		solvent resistant		1.38 g/cm3	food safe	electronic components coating	
		drainage pipes		<b>Urethane/polyurethane</b>							
<b>expanded polystyrene</b>				liquid	high load resistance	bags	thin sheets - >carrier bags				
beads	lightw-eight	packaging	vacuum formed	sheet	wear resistant	varnish	charge on carrier bags				
sheets	buoyant	swimming floats	thermal properties	granules	flexible	wheels					
blocks	tough	cups	difficult to recycle when it is dirty	foam	electrical resistance	furniture foam					
0.96-1.04 g/cm3	fragile	sound-heat insulation		1.2 g/cm3							
		beads in bean bags		<b>styrofoam</b>							
				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				