



Material Technical Data Sheet

Polyvinyl Chloride Compound (PVC)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity		-	D792
Mechanical			
Tensile Strength	549	kgf/cm ²	D638
Elongation at break	70	%	D638
Flexural Strength	831	kgf/cm ²	D790
Impact			
Impact Strength (Izod)	14	kgfcm/cm	D256
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	60	°C	D648

Values are typical properties and are not to be construed as specifications.

pvc Rev. 0

30 July, 2013



Material Technical Data Sheet

Polycarbonate (PC)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity		-	D792
Mechanical			
Tensile Strength	640	kgf/cm ²	D638
Elongation at break	120	%	D638
Flexural Strength	870	kgf/cm ²	D790
Impact			
Impact Strength (Izod)	85	kgfcm/cm	D256
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	133	°C	D648

Values are typical properties and are not to be construed as specifications.

pc Rev. 0

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Material Technical Data Sheet

Polystyrene (PS)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity		-	D792
Mechanical			
Tensile Strength	300	kgf/cm ²	D638
Elongation at break	40	%	D638
Flexural Strength	400	kgf/cm ²	D790
Impact			
Impact Strength (Izod)	40	kgfcm/cm	D256
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	60	°C	D648

Values are typical properties and are not to be construed as specifications.

ps Rev. 0

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Material Technical Data Sheet

Poly Ethylene Terephthalate Glycol (PETG)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity		-	D792
Mechanical			
Tensile Strength	295	kgf/cm ²	D638
Elongation at break	109	%	D638
Flexural Strength	733	kgf/cm ²	D790
Impact			
Impact Strength (Izod)	9.58	kgfcm/cm	D256
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	67	°C	D648

Values are typical properties and are not to be construed as specifications.

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