



Material Technical Data Sheet

Cover Tape for Polystyrene Carrier Tape (ST Series)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity	NA	-	D792
Thickness	0.05 ± 0.005	mm	D374
Haziness	75% Max	%	D1003-97
Total transmittance	90	%	D1003-97
Mechanical			
Break Strength	20	lbs/in width	D882
Elongation	100% Min.	%	D638
Flexural Strength	NA	kgf/mm ²	D790
Impact			
Izod Impact, notched	NA	kg.cm/cm	D256
Tensile Strength	NA	-	D785
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	NA	°C	D648
Melt Index	NA	-	D1238
Electrical			
Surface Resistivity	1.00E+11	Ohm/sq	D257

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



Material Technical Data Sheet

Cover Tape (STi Series)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity	NA	-	D792
Thickness	0.05 ± 0.005	mm	D374
Haziness	15	%	D1003-97
Total transmittance	88	%	D1003-97
Mechanical			
Break Strength	NA	lbs/in width	D882
Elongation	NA	%	D638
Flexural Strength	NA	kgf/mm ²	D790
Impact			
Izod Impact, notched	NA	kg.cm/cm	D256
Tensile Strength	92	Mpa	D638
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	NA	°C	D648
Melt Index	NA	-	D1238
Electrical			
Surface Resistivity	1.00E+11	Ohm/sq	D257

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Material Technical Data Sheet

Conductive Polycarbonate Sheet (CPC)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity	1.15	-	D792
Thickness	0.25 ± 0.05	mm	D374
Haziness	NA	%	D1003-97
Total transmittance	NA	%	D1003-97
Mechanical			
Break Strength	NA	kgf/mm ²	D638
Tensile Elongation at break	31	%	D638
Flexural Strength	NA	kgf/mm ²	D790
Impact			
Izod Impact, notched	NA	kg.cm/cm	D256
Tensile Strength	4.1	kgf/mm ²	D638
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	NA	°C	D648
Melt Index	NA	-	D1238
Electrical			
Surface Resistivity	10 ⁴ ~10 ⁸	Ohm/sq	D257

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Material Technical Data Sheet

Conductive Polystyrene Sheet (CPS)

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity	1.06	-	D792
Thickness	0.25 ± 0.05	mm	D374
Haziness	NA	%	D1003-97
Total transmittance	NA	%	D1003-97
Mechanical			
Break Strength	NA	-	D638
Tensile Elongation at break	40	%	D638
Flexural Strength	NA	-	D790
Impact			
Izod Impact, notched	NA	kg.cm/cm	D256
Tensile Strength	4.1	kgf/mm ²	D785
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	NA	°C	D648
Melt Index	NA	-	D1238
Electrical			
Surface Resistivity	≥1.0 x 10 ⁵	Ohm	D257
	<1.0 x 10 ¹²	Ohm	D257

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Material Technical Data Sheet

Shipping Reels

Property	Nominal Value	Unit	Test Method
Physical			
Specific Gravity	NA	-	D792
Thickness	NA	mm	D374
Haziness	NA	%	D1003-97
Total transmittance	NA	%	D1003-97
Mechanical			
Tensile Strength	200	kg/cm.cm	D638
Tensile Elongation at break	35	%	D638
Flexural Strength	430	kg/cm.cm	D790
Impact			
Izod Impact, notched	1.82	ft.lb/in	D256
Rockwell Strength	70	L-scale	D638
Thermal			
Heat Deflection Temp. @ 0.45MPa, 3.20mm	74	°C	D648
Melt Index	8	Gm/10 min	D1238
Electrical			
Surface Resistivity (Antistatic Coated)	$10^6 \sim 10^{11}$	Ohm/sq	D257
Surface Resistivity (Antistatic Impregnated)	$10^6 \sim 10^{11}$	Ohm/sq	D257
Surface Resistivity (Conductive)	106	Ohm/sq	D257

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