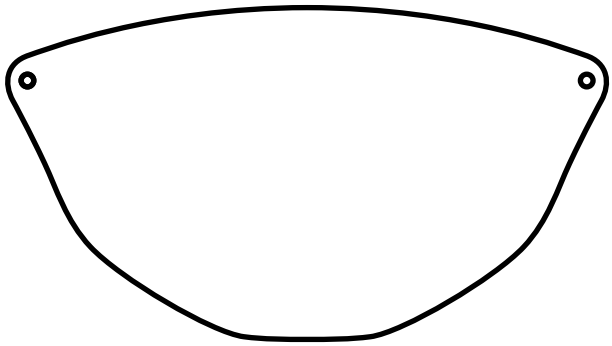
COVER ONE®

PRODUCT SHEET

v.2.B.EN, issue 23.03.2020 r.

CoverOne® protective visor



Material:

Polyethylene terephthalate (PET)
thickness: 0,5 mm
clarity: 88 - 92 %

VISOR

Dimensions

width: 378 mm
height 209,5 mm
thickness: 0,5 mm

TYPICAL PROPERTIES OF Marpet-a aPET (AMORPHOUS POLYETHYLENE TEREPHTHALATE) RESIN			
PROPERTY		TEST METHOD	VALUE
Physical Properties	Density	ISO 1133	1.33g/cm3
	Moisture absorption (24 hrs @ 23°C)	ISO 62-4	<0.2%
	Water solubility	DIN 53122	Insoluble
Mechanical Properties	Tensile Strength at Yield	ISO 527	56MPa
	Flexural Strength	ISO 527	82MPa
	Elastic Modulus	ISO 527	2420MPa
	Impact Resistance (Charpy test, un-notched)	ISO 179	No breakage
	Rockwell Hardness (R-Scale)	-	111
Optical Properties	Refractive Index	ASTM D542	1.578%
Thermal Properties	Vicat Softening Temperature @ 1kg load	ISO 306(B)	75°C
	Thermal expansion coefficient	ISO 75-2	0.06mm/m°C
	Service Temperature Range	-	-20 to +60°C
Electrical Properties	Dielectric Strength	IEC 60243-1	60kV/mm
	Surface Resistivity	IEC 60093	10^{16} Ω

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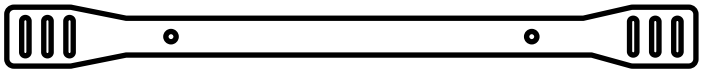

STRAP

Dimensions

width: 468 mm
height 40 mm
thickness: 1,5 mm

Material:

Polyvinyl chloride rigid (PVC)
thickness: 0,5 mm

Property	(Method)	Conditions	Unit	Value
Specific gravity	(D-1505)		g/cm^3	1.4
Heat deflection temperature	(D-648)	1.82 MPa	^{O}C	65-68
Service temperature range			^{O}C	-20 -50
Thermal conductivity	(C-177)		W/mk	0.15
Coefficient of linear thermal expansion	(D-696)		$/^{O}C$	6.7×10^{-5}
Impact strength	(ISO 6603/1)		J	95
Tensile strength at yield	(D-638)	10 mm/min	MPa	52
Tensile strength at break	(D-638)	10 mm/min	MPa	40
Elongation at break	(D-638)	10 mm/min	%	75
Modulus of elasticity	(D-638)	1 mm/min	MPa	2900
Flexural strength	(D-790)	1 mm/min	MPa	80
Flexural modulus	(D-790)	1 mm/min	MPa	3050
Rockwell hardness	(D-785)		R scale	97
Dielectric strength	(D-149)	500 V/s	KV/mm	>50

Fire Behaviour

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	3	,	d	0

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