

PRODUCT DATASHEET

WeeTect Motorcycle Face Shields (WMFS)



WeeTect motorcycle face shields (WMFS) also names motorcycle helmet shields which is an injection molding optical class 1 face shield for motorcycle face protection complaint with ECE324. It can do surface treatment for anti-fog, anti-scratch and tinted colors. WeeTect is also glad to custom motorcycle helmet face shield with your own design.

WeeTect motorcycle face shields (WMFS) offer superior performance to half or full face motorcycle helmet manufacturers and companies. With a sustainable performance which can increase the longevity of the face shield and significantly reduce costs, WeeTect motorcycle face shields (WMFS) can be easily applied to all types of motorcycle helmet with visor.

PRODUCT DATASHEET

WeeTect Motorcycle Face Shields (WMFS)



- WeeTect can customize any injected motorcycle face shields you required.

Advantages:

- Better anti-moisture feature
- Better anti-scratch performance
- Better optical clarity (class 1) with lower distortion
- Higher impact resistant
- More cost competitive
- More custom flexible

WeeTect Motorcycle Face Shields (WMFS) Technical Data

PRODUCT DATASHEET

WeeTect Motorcycle Face Shields (WMFS)

Item	Property	Test Method	U/M	Value
Optical	UV Resistant	EN170	%	100
	Haze	ASTM D 1003	%	0.37
	Fog Free time	ECE22.05/ECE324	s	>22
	Fog Free time	Freezing Test	s	no fogging
Mechanical	Hardness 1KG	ISO 178	H	1
	High velocity impact	ANSI Z87.1 2010	ft/s	>300
	Cross-Cut tape test	ASTM D 1000	NA	Pass
	Elongation, yield % 7	ISO 527	%	7
	Elongation, break ISO 527 % 110	ISO 527	%	110
	Tensile stress, yield	ISO 527	MPa	60
	Tensile modulus MPa	ISO 527	MPa	2300
	Flexural strength, yield	ISO 178	MPa	100
	Flexural modulus ISO 178 MPa 2500	ISO 178	MPa	2500
	Impact notched impact, 20 °C	ISO 180-1A	KJ/m ²	65
Physical	Gravity	ISO 1183	g/cm ³	1.2
	Water absorption, 24 hours	ISO 62	%	0.15
Thermal	Mold shrinkage	ISO 527	%	0.5-0.7
	Thermal expansion	ASTM D696	1/°C	7x10 ⁻⁵
	Vicat Softening Temp., Rate B / 120 (base sheet)	ISO 306	°C	150
	HDT, 0.45 MPa	ISO 75/Be	°C	138