















ROTEXTEN
Functional

LENS	Material	Polycarbonate		<div style="background-color: yellow; padding: 5px; border: 1px solid black; margin-bottom: 10px;">HIGH OPTICAL QUALITY</div> 	
	Thickness	2 mm			
	Colour	Grey			
	Curvature	9 			
	Standards	EN 166 - General standard EN 172 - Solar protection filters for industrial use			
	Marking	5-3,1  1 FT KN CE			
	Treatments		Anti-scratch treatment PLUS		
		Anti-fog treatment PLUS			
		UV400 protection			
FRAME	Material	Front	Nylon		
		Temples	Nylon + TPR		
		Nase pad	TPR		
	Marking	 EN 166 FT CE			
	Features		Extendible temples		
			Adjustable temples		
			Adjustable nose pad		
			Soft nose pad		
			Soft ear pieces		
	FURTHER TECHNICAL FEATURES	Weight	29 g		
Applications		Outdoor works, mechanical works with risk of glare, agriculture, building, refineries.			

PACKAGING	<i>Code</i>		<i>Quantity</i>	
	E002-B110	Box	10 single-packed glasses	
	E002-K110	Carton	24 boxes (240 single-packed glasses)	

SAFETY TECHNICAL FEATURES

	DESCRIPTION	STANDARDS	MINIMUM REQUIREMENT / RANGE		RESULT REACHED	MARKING
FILTER DESIGNATION	Scale number	EN166:2001 (par. 5)	---		---	5 - 3,1
BASIC REQUIREMENTS	Visible Light Transmission τ_v	EN172:1994 + A1:2000 + A2:2001 (par. 4)	17,8 % ÷ 8,0 %		13 %	---
	Optical class	EN166:2001 (par. 7.1.2.1.2)	1	On-going work	1	1
			2	Intermittent work		
3			Occasional work (not intended for prolonged use)			
PARTICULAR REQUIREMENTS	Protection against high speed particles	EN166:2001 (par. 7.2.2)	F	Low energy impact (45 m/s)	F	F
			B	Medium energy impact (120 m/s)		
			A	High energy impact (190 m/s)		
OPTIONAL REQUIREMENTS	Protection against high speed particles at extreme temperatures	EN166:2001 (par. 7.3.4)	T	Protection against high speed particles at extreme temperatures (-5°C e +55°C)	COMPLIANT	T
	Resistance of the eyepieces to surface damage caused by fine particles	EN166:2001 (par. 7.3.1)	K	Reduced luminance factor $\leq 5 \frac{\text{cd}}{\text{m}^2 \cdot \text{lx}}$	COMPLIANT $(4,29 \frac{\text{cd}}{\text{m}^2 \cdot \text{lx}})$	K
	Resistance to fogging of the eyepieces	EN166:2001 (par. 7.3.2)	N	Resistance to fogging ≥ 8 s	COMPLIANT (14 s)	N