MODACRYL FR

SAFETY

IDEAL FOR

· Workers from petrochemical and oil & gas industries, or Police and Military professionals.
· Full head protection from contact heat, flames, thermal hazards and other potentially explosive substances.
· Lighter and cooler product.

CERTIFICATIONS

CE CAT II
EN ISO 13688/13

EN ISO 11612/15

A1, A2, B1, C1, X, X, F1

PROTECTION AGAINST HEAT AND FLAME				
EN ISO 11612:2015, Protective Clothing, Clothing to protect against heat and flame				
	Limited Flame Spread	Convective Heat	Radiant Heat	Contact Heat
Performance Levels	A1 / A2	B1	C1	F1

EN 1149-5/18

PROTECTION AGAINST STATIC ELECTRICITY	
EN 1149-5:2018, Protective clothing - Electrostatic properties	
Performance Levels	Pass

VISIBILITY
ONLY APPLIES TO SOLID YELLOW FLUOR DESIGN.

PROTECTIVE PROPERTIES AGAINST MINIMAL RISKS DUE TO LOW VISIBILITY.
This garment alone does not protect against this risk, as it does not reach a minimum surface for the user to be seen, but it helps increase visibility as long as the user also wears suitable protective clothing against this risk.

KEY FEATURES

FIRE RESISTANT · ANTISTATIC · QUICK DRY · MOISTURE MANAGEMENT · LIGHTWEIGHT · HELMET COMPATIBLE · COMFORT FIT FACE OPENING

DIMENSIONS

FABRICS COMPOSITION

69% Modacrylic.
28% FR Viscose.
3% Antistatic Fiber.

PACKAGING

WASHING MAINTENANCE SYMBOLS

FABRIC TEST:

Mass per unit area: EN 12127:1997	138 g/m^2	± 5 %
Air Permeability EN ISO 9237:1995	1401 mm/s	± 10 %
Thermal Resistance (RCT): EN ISO 11092:2014	0,0210 m^{2}K/W	± 10 %
Water Vapour Resistance (RET): EN ISO 11092:2014	2,75 m^{2}Pa/W	± 10 %
Bursting resistance (after 5 washes): EN ISO 13938-1:2019	121 kPa	± 10 %

Determination of dimensional change in domestic washing and drying:

EN ISO 5077:2008 — LENGTHWISE < ±3% — CROSSWISE < ±3%

Washing procedure 3N (Ta=30 ±3ºC) according to ISO 6330:2012

Resistance to pilling: ISO 12945-2:2000	1	2000 CYCLES

Scale from 1 to 5 in which 1 is “Very severe pilling” and 5 is “No pilling”.

Determination of the abrasion resistance of fabrics: EN ISO 12947-2:2016 Testing pressure: 9 kPa	>40000 CYCLES Until the first yarn broken	

Fastness rates:

Colour fastness to domestic and commercial laundering: EN ISO 105-C06:2010	4 - 5 *	
Colour fastness to perspiration (Alkaline & Acid): EN ISO 105-E04:2013	ALKALINE	4 - 5 *
	ACID	4 - 5 *
Colour fastness to rubbing (Dry & Wet): EN ISO 105-X12:2016	DRY	4 - 5 *
	WET	4 - 5 *
Colour fastness to sea water: EN ISO 105-E02:2013	4 - 5 *	
Colour fastness to artificial light: EN ISO 105-B02:2014 Método 2	3 - 4 **	

* Fastness rates in a scale from 1 to 5 in which 1 is “Poor behaviour” and 5 is “Good behaviour”.

** Fastness to artifical light rates in a scale from 1 to 8 in which 1 is “Very poor” and 8 is “Excellent”

Enhanced Visibility		CHROMACITY COORDINATES		LUMINANCE FACTOR
CIE 15	YELLOW FLUOR	x = 0,3741	y = 0,5119	β = 0,6764

Tests used to determine **PROTECTIVE PROPERTIES AGAINST MINIMAL RISKS DUE TO LOW VISIBILITY** (only for Fluor and/or Reflective materials)