

# Technical Data Sheet

## QT 368 - Protective Film



Protects the sensitive surface of your product against scratches and dirt during processing, assembly, storing and transport.

### Technical Data

	Unit	Target	Tolerance	
Film thickness	µm	80	± 5	DIN ISO 4593
Medium peel forces of the adhesive	N / 50mm	9,5	± 1,5	EN 8510-2 / FINAT FTM 1 against stainless steel type 1.4301 24 h storage at room temperature $V_{\text{strain}} =$ 300mm / min weight of laminating roller 26 kg
Tensile strength $\sigma_M$	machine direction	MPa	>15	DIN EN ISO 527 $l_0 = 50\text{mm}$ , $v_{\text{strain}} = 500\text{mm} /$ min jaws: plan / plan
	transverse direction		>10	
Elongation at break $\epsilon_B$	machine direction	%	>100	DIN EN ISO 527 $l_0 = 50\text{mm}$ , $v_{\text{strain}} = 500\text{mm} /$ min jaws: plan / plan
	transverse direction		>300	
Tear resistance $F_{\text{max}}$	machine direction	N / mm	>100	DIN 53363 (trapeze) $V_{\text{strain}} = 100\text{mm} / \text{min}$
	transverse direction		>200	
Outdoor exposure: from the moment of application on surface	months	max. 6	UV - and weather influences in Central European climate practical experience (recommended character)	

## Processing Instructions

Applying the protective film	<ul style="list-style-type: none"><li>• range of processing temperature (object and ambient temperature): 15°C to 45°C</li><li>• crease and bubble free</li><li>• avoid stretching</li><li>• use of laminating machines with rubber pressure rollers is recommended</li><li>• not suitable for strong deep-drawing</li></ul>
Demands on surfaces to be protected	<ul style="list-style-type: none"><li>• dry</li><li>• free from dust, oils, greases, release agents, solvents and other contamination</li></ul>
For outdoor exposure of surfaces laminated with protective film	<ul style="list-style-type: none"><li>• avoid stagnant water</li></ul>
Removal of the protective film	<ul style="list-style-type: none"><li>• maximum 6 months after application of the protective film (when stored or applied outside, the different period of time mentioned under “Technical Data” / “Outdoor exposure” application has to be adhered to)</li><li>• object and ambient temperature: <math>\geq 5^{\circ}\text{C}</math></li></ul>

Film Width	15mm to 1500mm
Thickness	35 $\mu\text{m}$ to 100 $\mu\text{m}$
Length	100m

## Material Composition

Film – Main component PE-LD (1 layer monoextruded or 3 layer coextruded)

Colour – White/ Black

Adhesive – Natural Rubber

**Storage** This product can be stored for 6 months if kept in its original packaging and in conditions  $>5^{\circ}\text{C}$  to  $<40^{\circ}\text{C}$

**Disposal-** Contains no plasticizers or heavy metals – fully recyclable.



Qualitape (UK) Ltd,  
1 Sarah Court, Piperell  
Way, Haverhill, CB9 8PA

01440 710747  
info@qualitape.co.uk