



**TOGNAZZONI S.N.C. DI ANDREA E ALESSANDRO TOGNAZZONI**

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**PRODUCT DATA SHEET**

**TRANSPARENT POLYETHYLENE DISPOSABLE TROUSERS**

Article code

Description

**450**

DISPOSABLE TROUSERS MADE OF TRANSPARENT  
POLYETHYLENE - THICKNESS about 30 MY

Packaging: 20 PIECES BAG

Country of origin: ITALY

Non-certified product

Product composition: LOW DENSITY POLYETHYLENE

Performed tests and checks: QUALITY CONTROL



# TECHNICAL DATA SHEET

FILM USED FOR THE PRODUCTION OF DISPOSABLE TROUSERS MADE OF TRANSPARENT  
POLYETHYLENE  
THICKNESS ABOUT 30 MY - Packaging: N. 20 PIECES  
(**Art. code 450**)

|    |                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) | CHEMICAL NATURE OF THE PRODUCT                                                                                                           | Substance<br>Polyethylene, chemical formula (C <sub>2</sub> H <sub>4</sub> ) <sub>n</sub><br>Additives: Slip Agent (high)<br>Antiblocking (high)                                                                                                                                                                                                                                                                                                                                                                     |
| 2) | PHYSICAL PROPERTIES<br>• PHYSICAL STATUS.....<br><br>• CHARACTERISTIC TEMPERATURES.....<br><br>• SOLUBILITY .....<br><br>• DENSITY ..... | At 20° C: plastic film<br>Colour: translucent<br><br>Melting point: 113° C.<br>From the start of decomposition: approx. 300° C.<br><br>In water at 20° C: not soluble<br><br>From 0.92 to 0.95 g/cm <sup>3</sup>                                                                                                                                                                                                                                                                                                     |
| 3) | TOXICOLOGICAL INFORMATION                                                                                                                | These polymers can be considered as:<br>- non-irritating to skin and eyes<br>- not harmful if ingested<br>Thermal decomposition products may be irritating to skin and mucous membranes.                                                                                                                                                                                                                                                                                                                             |
| 4) | FIRST AID MEASURES                                                                                                                       | - In case of contact with hot products: treat as a thermal burn without chemical action (wash immediately and thoroughly with cold water).<br>- Inhalation of thermal decomposition products: go to fresh air, consult a doctor.                                                                                                                                                                                                                                                                                     |
| 5) | ENVIRONMENTAL PROTECTION                                                                                                                 | Do not dispose of into drains or into the natural environment.<br>Comply with current prefectural regulations and decrees.                                                                                                                                                                                                                                                                                                                                                                                           |
| 6) | SPECIAL INDICATIONS                                                                                                                      | This document applies to the product IN ACCORDANCE with the specifications provided by the TOGNAZZONI S.N.C. suppliers. The information contained in this technical data sheet is given in good faith and based on our latest knowledge of the product at the date of issue. The user's attention is drawn to the possible risks involved when a product is used for purposes other than those for which it is intended. This sheet must not be used or reproduced except for the purposes of prevention and safety. |

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|                                  | <b>PROPERTIES</b>                                              | <b>PE Film</b> |
|----------------------------------|----------------------------------------------------------------|----------------|
|                                  | Melt Flow Index 190° C.....                                    | 2,0            |
|                                  | Density.....                                                   | 0,924          |
| <b>THERMAL<br/>PROPERTIES</b>    | Melting point.....                                             | 113            |
|                                  | Embrittlement temperature.....                                 | -75            |
|                                  | Softening temperature (Vicat 1 kg).....                        | 96             |
| <b>MECHANICAL<br/>PROPERTIES</b> | Yield strength.....                                            | 12             |
|                                  |                                                                | 12             |
|                                  | Breaking load.....                                             | 22             |
|                                  | Elongation at break.....                                       | 17             |
|                                  |                                                                | 250            |
|                                  | Secant modulus 1%.....                                         | 580            |
|                                  |                                                                | 200            |
|                                  | Bending modulus.....                                           | 230            |
|                                  | Tear resistance (Eimendorf).....                               |                |
|                                  |                                                                | 70             |
|                                  | Izod Impact.....                                               | 50             |
|                                  | Impact resistance (Dart Drop Test).....                        |                |
|                                  | Dynamic Coefficient of Friction (COF).....                     | 100            |
|                                  | Hardness (Shore D).....                                        | 0,11           |
|                                  | Surfactants resistance (ESCR).....                             | 46             |
| <b>OPTICAL<br/>PROPERTIES</b>    | Clarity.....                                                   | 18             |
|                                  | Haza.....                                                      | 7,5            |
|                                  | Gloss 45°.....                                                 | 65             |
|                                  | Suggested thickness range.....                                 | 26   80        |
| <b>ADDITIVES</b>                 | Slip Agent.....                                                | High           |
|                                  | Antiblocking.....                                              | High           |
|                                  | Others.....                                                    |                |
|                                  | <u>Key features:</u> good optical characteristics and drawdown |                |

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