



Product Name	: TPU Film	Colour	: Natural Clear/ Black/ Colours
Product Type	: Polyester TPU Film	Grade	: bluthane F-ES85XXYYZZ

DESCRIPTION

bluthane **F-ES85** is a polyester thermoplastic polyurethane film made from virgin TPU granules and special additives using a specialized process. Due to their excellent tear resistance, tensile strength, oil and chemical resistance properties they are used in demanding applications where excellent performance is required. They are tough and flexible and are easy to process.

APPLICATION

Sound absorbing Panels (encapsulated or Laminated over PU foam)
 Foam-in-Place / Pour –in-place applications,
 Textile lamination.

CHARACTERISTICS

Good adhesion
 Good puncture resistance
 High oil & Chemical resistance
 Good thermal stability

TYPICAL PROPERTIES

Parameters	Values	Units
Specific Gravity	1.22	-
Hardness	85	Shore A
Tensile Strength	35	Mpa
Elongation at Break	650	%
Modulus -100 %	3	Mpa
Tg (DSC)	-20	Deg C
Softening point	170	C

Supply Form & Colours

Available in transparent and black (Custom colours can also be made)
 Film Thickness : 35 – 150 microns (0.035mm - 0.15 mm)
 Width : 250mm – 1200mm
 Form : In roll

NOMENCLATURE OF GRADES

bluthane TPU films are given grade numbers based on the following characteristics / features (alphanumeric style)

F-ESXXYYZZ and F-ETXXYYZZ (the abbreviations depicts the following:)

- F - Film
- ES - polyester TPU
- ET - polyether TPU
- XX - 85A hardness
- YY - 35 microns thickness
- ZZ - colour

For e.g : Grade **F-ES8550BK** means it is a film based on a polyester TPU having a shore hardness of 85 A, 50 micron thickness and black in colour.