



## TPE FOR ELASTIC FILMS

SO.F.TER. presents a new SEBS-based compound for the production of elastic films characterized by excellent **softness** and **transparency**, optimal **elastic recovery** and high **tear resistance**. The material, called Laprene® 83FE00864, can be transformed by **cast film extrusion** into an extremely thin sheet, with thickness up to 50 microns. Moreover, it can be **co-extruded** with other polyolefins such as polyethylene (PE) for the manufacture of **multi-layer films**.

The new Laprene® 83FE00864 is suitable for contact with a wide range of **food products** and is completely free of hazardous substances. Its softness makes it particularly comfortable and ideal for use in personal hygiene products such as senior and baby diapers and in other applications in the paramedical sector.

### LAPRENE 83FE00864

Styrene Ethylene Butylene Styrene Compound (SEBS)

Physical properties	Value	Units	Test method
Hardness shore A, 3s	55	-	ASTM D2240
Density	0.90	g/cm <sup>3</sup>	ASTM D792
Mechanical properties	Value	Units	Test method
Tensile strength	17.0	MPa	ASTM D412-C
Elongation at break	750	%	ASTM D412-C
Modulus 100%	1.0	MPa	ASTM D412-C
Tear strength	40	kN/m	ASTM D624-C
Tensile set	2	%	ASTM D412

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