

## Technical Data Sheet

Material Grade: **Perflex TPE LP-50TE**Colour: **Transparent**

### Product Description

The **Perflex LP-50TE**- is a high performance thermoplastic elastomers- SBS (Styrene- Butylene-Styrene) copolymer compounding.

**Perflex LP- 50TE** is designed for overmoulding **GPPS and HIPS** Plastic, it's the most premium material on the criteria of mechanization-Flexibility and Comfortable.

This grade of **Perflex** TPE is shear dependent and can be processed on conventional thermoplastics equipment for injection moulding or extrusion. It's a soft, elastomeric poly-olefine based, completely recyclable, colourable & non-hygroscopic thermoplastics elastomer material.

### Properties

Mechanical Properties	Test Method	Unit	Value measured
Hardness	D2240	Shore A	50+3
Specific Gravity	D769	gm/cm <sup>3</sup>	0.90
Tensile Strength	D412	kg/cm <sup>3</sup>	50
Elongation At Break	D412	%	620
Tear Strength	D642	kg/cm	35
Melt Flow Rate	D1238	gm / 10 min	10-15

### Notes

We confirm we do not intentionally use the below listed substances in the manufacturing of or formulation of Perflex TPE compounds:

- § Lead and its compounds
- § Mercury and its compounds
- § Hexavalent Chromium and its compounds
- § Cadmium and its compounds.
- § Polybrominated Biphenyls (PBBs)
- § Polybrominated Diphenyl Ethers (PBDEs)

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