CP chemie Resources

Perflex THERMOPLASTIC ELASTOMER

Technical Data Sheet

Material Grade: **Perflex TPE GP-50CE**	Colour: **High Transparent**

Product description

The **Perflex GP-50CE** is a high performance thermoplastic elastomers- SEBS (Styrene- Ethylene / Butylene-Styrene) copolymer compounding.

Perflex GP-50CE is the most premium material on the criteria of mechanization-Heat Stabilization, weather resistance, UV Stabilization, 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 polyolefine based, completely recyclable, colourable & non-hygroscopic thermoplastics elastomer.

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Properties

Mechanical properties	Test Method	Unit	Value measured
Hardness	D2240	Shore A	50+-3
Specific Gravity	D769	gm/cm^3	0.89
Tensile Strength	D412	kg/cm^3	58
Elongation At Break	D412	%	730
Tear Strength	D642	kg/cm	40
Melt Flow Rate	D1238	gm / 10 min	10-15

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Notes

We confirmed 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)