

Perflex TPE GP-50CE

Styrene Ethylene Butylene Styrene Block Copolymer

CP Chemie Resources (M) Sdn. Bhd.

Message:

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.

General Information			
Additive	heat stabilizer		
	UV stabilizer		
Features	Copolymer		
	Good UV resistance		
	Recyclable materials		
	Good flexibility		
	Good coloring		
	Good weather resistance		
	Thermal Stability		
	Soft		
Appearance	Clear/transparent		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D769
Melt Mass-Flow Rate (MFR)	10 - 15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	47 - 53		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5.69	MPa	ASTM D412
Tensile Elongation (Break)	730	%	ASTM D412
Tear Strength	39.2	kN/m	ASTM D624
Additional Information			

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)

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

