CPchemie Resources

Chemieprene THERMOPLASTIC ELASTOMER

Technical Data Sheet

Material Grade: **Chemieprene ES-58NE**	Colour: **Natural**

Product Description

The **Chemieprene ES-58NE** is a high performance thermoplastic elastomers- SEBS/EPDM (Styrene-Ethylene / Butylene-Styrene/ ethylene propylene diene monomer rubber) copolymer compounding.

Chemieprene ES-58NE is the most premium material on the criteria of mechanization-Heat Stabilization, weather resistance, UV Stabilization, Flexibility and Comfortable.

This grade of **Chemieprene** 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.

Properties

Mechanical Properties	Test Method	Unit	Value measured
Hardness	D2240	Shore A	58+-3
Specific Gravity	D769	gm/cm^3	0.96
Tensile Strength	D412	kg/cm^3	75
Elongation At Break	D412	%	650
Tear Strength	D642	kg/cm	65
Melt Flow Rate	D1238	gm / 10 min	5-20

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)