

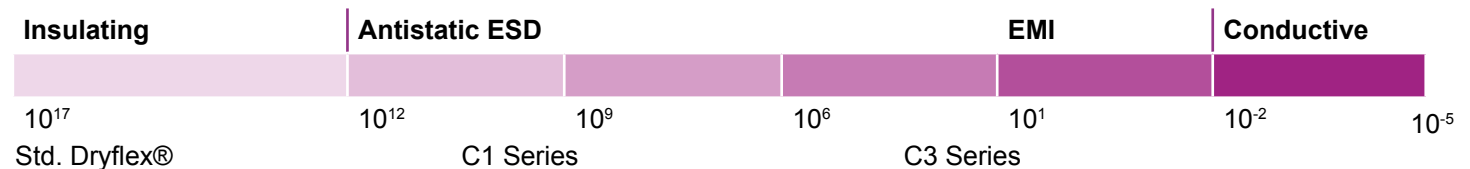
dryflex[®] c

Conductive Thermoplastic Elastomers

Dryflex[®] thermoplastic elastomer (TPE) materials combine the processability of thermoplastics with the appearance, feel and elasticity of rubber. Because Dryflex[®] is a thermoplastic its processability makes it well suited to high volume injection moulded or extruded applications.

Dryflex[®] C are a range of conductive TPEs, suitable for applications such as grips, handles and elements for electrical tools and appliances. The conductivity of the materials is classified according to the following scale;

Semi conductive



Dryflex[®] conductive compounds are graded according to their special features:

C1 Series

The C1 Series consists of materials in natural colours that can easily be coloured in any shade. The compounds have a permanent antistatic / ESD effect and a surface resistivity down to 10⁸Ω.

C3 Series

The most conductive materials are the C3 Series with a surface resistivity down to 10³Ω. Due to the conductive additive, carbon black, the materials are only available in black. The UV and ozone resistance exhibited by the C3 Series are excellent.

Material	Hardness Shore A or D	Colour	Specific Gravity g/cm ³	MFR 5 kg at 190°C g/10 min	Tensile Strength MPa	Surface Restivity Ω
C1 5065	65 A	Natural	0.93	4	4.2	3E+08
C1 7040	40 D	Natural	0.93	6	11.0	7E+08
C3 6068	68 A	Black	0.95	9	3.9	1E+03
C3 6070	65	Natural	1.00	4 ¹	4.2	1E+02

¹⁾ 2.16 kg at 190°C

All Dryflex[®] C Series compounds are delivered as free flowing pellets.

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions, which may be made, are without guarantee, since the conditions of use are beyond our control.