Technical Data Sheet

Dark Gray Polypropylene Compound

Revision: September 2026

Product Description

Dark Gray Polypropylene Compound is an engineered, mineral-filled polypropylene compound supplied in granule form. Parts manufactured from this material exhibit high stiffness, desirable impact resistance, and excellent antistatic performance. In addition, its excellent moldability and short processing cycle enable high production efficiency.

Application Areas

- Thin-wall parts: Sporting goods and toys.
- Housings for household appliances and power tools: Suitable for manufacturing housings and enclosures for vacuum cleaners, drills, angle grinders, and other tools exposed to vibration, impact, and heat generation during operation.
- Industrial enclosures and boxes: Suitable for manufacturing junction boxes, protective electronic enclosures, and components requiring dimensional stability and moderate heat resistance.

Key Benefits

- Exceptionally high impact resistance
- Excellent processability
- Good antistatic properties
- Good balance between stiffness and flexibility
- Uniform appearance and color

Packaging & Shelf Life

The product is supplied in 25 kg bags. It should be stored in a dry place, away from direct sunlight, in its original sealed packaging.

When stored properly at temperatures between 5 °C and 30 °C, the product has a shelf life of 24 months.

Product Specification

Property	Unit	Value	Method / Standard
Melt Flow Index (MFI) (2.16 kg / 230 °C)	g/10min	16.6	ASTM D1238
Filler Content (600 °C / 30 min)	%	<5	ISO 3451-1
Tensile Strength at Yield	MPa	22.45	ISO 527
Elongation at Break	%	14.25	ISO 527
Tensile Strength at Break	MPa	19.09	ISO 527
Elongation at Yield	%	5.59	ISO 527
Izod Impact Strength, Notched (2.71 J / 23 °C)	kJ/m²	9.27	ISO 180
Flash Point	°C	195–205	ASTM D92
L	—	34.55	ASTM D6290
A	—	-0.53	ASTM D6290
B	—	-1.70	ASTM D6290
Heat Deflection Temperature (HDT) (1.8 MPa)	°C	97.36	ASTM D648

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