

DATA SHEET CORNER EDGE PROTECTOR



Mechatech Plastic Edge Protectors (Strap Guards) can be use with steel and plastic strapping for the safety of your packaging and bundling.

These corner protectors will cushion the strap to be tighten with strapping tools to its maximum tension without damaging the product.

Each Plastic Edge Guard constructed from specially formulated resin, which gives high impact resistance, excellent stiffness, toughness, and ribbed to hold the strapping firmly in place

Dimensions: W:145mm, Internal W:65mm,L:185mm,D:140mm

Material: Polypropylene Copolymer

Color: Black

Unit Weight: 180g

Packaging: Carton Box contain 50 PCs

Weight 10 Kg



Polypropylene Copolymer PPC

Polypropylene copolymer offers a great combination of physical, chemical, mechanical, thermal, and electrical properties, with a good strength to weight ratio. It is superior when it comes to working temperature and tensile strength. It is lightweight, resistant to staining, and does not absorb moisture. It has excellent resistance to acids, alkalis, organic solvents, and degreasing agents. It is also tough, heat-resistant, and semi-rigid, making it ideal for use with hot liquids or gases. Its hard, smooth, surface also makes it ideal for use in areas where bacteria build up is a concern.

Polypropylene copolymer has high impact strength and is durable. It is also has stress crack resistant. PPC is very versatile. Its lower rigidity is ideal for use in automotive tanks to prevent cracking from road vibration, and orthotic devices. It can also be used for applications that require good chemical resistance, or FDA compliance.

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.900 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	24.5 MPa	ASTM D638
Tensile Elongation (Yield)	9.0 %	ASTM D638
Flexural Modulus	1130 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	150 J/m	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	88.0 °C	ASTM D648

Application

- Die cutting pads
- Chemical processing and storage
- Fire fighting equipment
- Fabricated parts/living hinge parts
- Orthotic and prosthetic devices
- Plating and anodizing process equipment
- Tanks – secondary containment
- Medical devices
- Metal finishing

Properties

- High impact resistance strength
- Good resistance to cracking at low temperatures
- More pliable
- Good Toughness and high stiffness
- Chemical and corrosion resistant
- No moisture absorption
- Good Heat Aging Resistance
- FDA compliant