

# EP548N

## Heterophasic copolymer

### Description:

EP548N is a heterophasic polypropylene copolymer with improved mechanical properties balance. The product features an outstanding stiffness, high impact strength, excellent antistatic properties and is designed for injection molding applications. In comparison with conventional copolymers with the same MFR and the same toughness, EP548N exhibits 20 % higher rigidity. EP548N is suitable for a wide range of applications in the packaging, automotive and consumer goods industries. Typical applications include housewares, containers, bins, baskets, flowerpots, toys, lids, caps and closures. This grade is also well suited for molded garden furniture, chair shells, crates, trays and automotive parts. EP548N is suitable for food contact applications.

### Typical Applications

- Packaging, automotive and consumer goods industries
- Housewares, containers, bins, baskets, flowerpots
- Toys, lids, caps and closures
- Garden furniture, chair shells, crates, trays
- Automotive parts

**Features:** High impact strength and stiffness, Excellent antistatic properties

**Suitable for:** Injection molding

### Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	12	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	8	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	100	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	55	J/m	ASTM D256
Rockwell Hardness	98	R Scale	ASTM D785
Vicat softening point (10 N)	149	°C	ASTM D1525
H.D.T. (0.46 MPa)	110	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

\* Typical values; not to be considered as product specification.