

# EP340M

## Heterophasic copolymer

### Description:

EP340M is a nucleated heterophasic copolymer, suitable for injection molding applications. It exhibits excellent impact performance with good stiffness and processability. EP340M is designed for applications where very high impact resistance is a critical requirement. Typical applications are housewares, luggage, transport and cold storage crates and consumer components subjected to low temperatures and impact. The resin is also ideal as a base material in technical compounding.

### Typical Applications

- Housewares
- Crates
- Luggage
- Sports, Leisure and Toys
- Compounding

**Features:** High impact resistance, Good stiffness, Nucleated, Good processability

**Suitable for:** Injection molding

### Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	7.5	g/10 min	ISO 1133
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile strength at Yield	21	MPa	ISO 527-1, -2
Tensile Elongation at Break	50	%	ISO 527-1, -2
Tensile elongation at Yield	6	%	ISO 527-1, -2
Charpy impact strength (notched)			ISO 179
	23 °C	45	kJ/m <sup>2</sup>
	0 °C	9	kJ/m <sup>2</sup>
	-30 °C	7	kJ/m <sup>2</sup>
Ball indentation hardness (H 358/30)	46	MPa	ISO 2039-1
Vicat softening point A50	144	°C	ISO 306
H.D.T.B (0.45 MPa)	80	°C	ISO 75B-1, -2

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