

EP340K

Heterophasic Copolymer

Description:

EP340K is a nucleated heterophasic copolymer suitable for injection molding and thermoforming applications. EP340K exhibits outstanding low temperature impact performance and good stiffness combined with good processability. EP340K is designed to be used in luggage, transport and cold storage crates, sports and leisure equipment, toys and typical consumer components which are subjected to impact and/or low temperature.

Typical Applications

- Sports, Leisure and Toys
- Transport and cold storage crates
- Luggage

Features: High impact resistance, Good stiffness, Nucleated, Heterophasic copolymer

Suitable for: Injection molding and Thermoforming applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	4	g/10 min	ISO 1133
Density	0.9	g/cm ³	ISO 1183
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Strength at Yield	20	MPa	ISO 527-1, -2
Tensile Elongation at Break	>50	%	ISO 527-1, -2
Tensile Elongation at Yield	5	%	ISO 527-1, -2
Charpy impact strength (Notch A)			
	23 °C	66	kJ/m ²
	0 °C	33	kJ/m ²
	-20 °C	7	kJ/m ²
Ball indentation hardness (H 358/30)	46	MPa	ISO 2039-1
Vicat softening point /A50	140	°C	ISO 306
H.D.T. B (0.45 MPa)	75	°C	ISO 75B-1, -2

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