

EP448T

Heterophasic copolymer

Description:

EP448T is a heterophasic copolymer for injection molding applications containing nucleation and antistatic additivition. EP448T has very good flowability and impact/stiffness balance. The main applications of EP448T are thin walled packaging, housewares and closures.

Typical Applications

- Injection Moulded Caps and Closures
- Sports
- Leisure and Toys
- Housewares
- TWIM Food Containers

Features: Good flow, Good impact resistance, Good stiffness, Nucleated, Antistatic properties

Suitable for: Injection molding

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	15	g/10 min	ISO 1133
Density	0.905	g/cm ³	ISO 1183
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile strength at Yield	28	MPa	ISO 527-1, -2
Tensile Elongation at Break	40	%	ISO 527-1, -2
Tensile elongation at Yield	5	%	ISO 527-1, -2
Charpy impact strength (notched)			ISO 179
23 °C	5.0	kJ/m ²	
0 °C	3.5	kJ/m ²	
-30 °C	2.5	kJ/m ²	
Ball indentation hardness (H 358/30)	62	MPa	ISO 2039-1
Vicat softening point A50	151	°C	ISO 306
H.D.T.B (0.45 MPa)	90	°C	ISO 75B-1, -2

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