

EP548U

Heterophasic copolymer

Description:

EP548U is a nucleated heterophasic copolymer, suitable for injection molding applications, and contains an anti-static agent. It exhibits outstanding balance of mechanical properties combined with high fluidity. EP548U is extensively used in housewares and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.).

Typical Applications

- Containers
- Sports, Leisure and Toys
- TWIM food containers
- Housewares

Features: High flow, Nucleated, Antistatic properties

Suitable for: Injection molding

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	70	g/10 min	ISO 1133
Density	0.905	g/cm ³	ISO 1183
Tensile Modulus	1550	MPa	ISO 527-1, -2
Tensile strength at Yield	28	MPa	ISO 527-1, -2
Tensile Elongation at Break	30	%	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	3.0	kJ/m ²	
Ball indentation hardness (H 358/30)	68	MPa	ISO 2039-1
Vicat softening point A50	151	°C	ISO 306
H.D.T.B (0.45 MPa)	95	°C	ISO 75B-1, -2

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