

EP348U

Heterophasic copolymer

Description:

EP348U is a nucleated, antistatic formulated, very high melt flow rate heterophasic polypropylene copolymer. The product features excellent impact resistance, even at low temperatures. EP348U is specifically designed for high speed thin-walled injection molding. The very high fluidity, the molecular design and specific formulation of EP348U result in very easy processing, short cycle times, low shrinkage and minimal warpage. This allows a great design freedom and imports good dimensional stability of the molded items. Items made with this grade feature excellent mechanical properties over a wide temperature range and very good low temperature performance. The ductile brittle transition temperature is well below -40°C. To obtain the best results in Injection Molding, EP348U processing temperature should not exceed 240-250°C.

Typical Applications

- Thin-walled packaging
- Margarine tubs, pots for dairy products, ice-cream containers,
- trays, CD and DVD envelopes
- Lids, caps and closures
- Housewares, lunch-boxes, cool boxes
- Small buckets, laundry baskets, toy boxes and flower pots

Features: Excellent impact resistance, Very high fluidity, Good dimensional stability, Very good low temperature performance

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	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1200	MPa	ASTM D790
Tensile Strength at Yield	24	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	70	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	35	J/m	ASTM D256
Rockwell Hardness	86	R Scale	ASTM D785
Vicat softening point (10 N)	148	°C	ASTM D1525
H.D.T. (0.46 MPa)	100	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012
Gloss (60°)	65	----	ASTM D2457

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