

# EP448S

## Heterophasic copolymer

### Description:

EP448S is a high melt flow rate, heterophasic copolymer for thin-walled injection molding. Items made with this grade exhibit high stiffness, good impact resistance and excellent antistatic properties. The use of EP448S allows high productivity because of the easy mould filling and short cycle times. The excellent balance of mechanical properties combined with the outstanding organoleptic properties and antistatic characteristics make this grade particularly suitable for thin-walled packaging. EP448S is suitable for food contact.

### Typical Applications

- Thin-walled packaging
- Margarine tubs and pots for soft cheeses, pudding, mayonnaise and other dairy or fatty products
- Caps, closures and flower pots
- Videocassette boxes, appliance components, small pails, cool boxes and food containers

**Features:** High melt flow rate, Good impact strength, High stiffness, Excellent antistatic properties, Excellent organoleptic properties

**Suitable for:** Injection molding

### Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	40	g/10 min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTM D1505
Flexural Modulus	1300	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	65	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	30	J/m	ASTM D256
Rockwell Hardness	95	R Scale	ASTM D785
Vicat softening point (10 N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	108	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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