RAYOMAND
Petroleum & Energy Industries

Polypropylene Technical Data Sheet

EP548R

Heterophasic Copolymer

Description:

EP548R is a nucleated, antistatic formulated, high fluidity heterophasic copolymer used for thin-walled injection molding. Items made with EP548R exhibit high stiffness, relatively good impact resistance and excellent antistatic properties. Due to its excellent moldability and short cycle times, EP548R allows high productivity rates.

The finished items show good mechanical properties, and high dimensional stability. EP548R is very well suited for the production of thin-walled articles or articles with long flow paths such as flower pots, containers, housewares, filters, filters housings and appliance components.

EP548R is suitable for food contact.

Typical Applications

- Thin-walled articles
- Articles with long flow paths such as flower pots, containers, housewares, filters, filters housings and appliance components Sports, Leisure and toys

Features: Good impact strength, High stiffness, Excellent antistatic properties, Excellent moldability and short cycle times, Heterophasic copolymer

Suitable for: Injection molding applications

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16kg)	21	g/10 min	ISO 1133
Density	0.9	g/cm^3	ISO 1183
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	7	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	85	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	50	J/m	ASTM D256
Rockwell Hardness	98	R Scale	ASTM D785
Vicat softening point (10 N)	149	°C	ASTM D1525
H.D.T (0.46 Mpa)	110	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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

Rayomand Petroleum and Energy Commercial Co.
2nd Floor, No. 48, 37th Avenue - Saadat Abad Blvd. Tehran - Iran
Tel: +98 21 2265 9165
Fax: +98 21 2265 9110
www.rayomand.com
email: info@rayomand.com