Technical Data Sheet

Jampilen EP548R

Polypropylene Heterophasic Copolymer

Description

"Jampilen EP548R" is a nucleated, antistatic formulated, high fluidity heterophasic copolymer used for thin-walled injection molding. Items made with "Jampilen EP548R" exhibit high stiffness, relatively good impact resistance and excellent antistatic properties. Due to its excellent mold ability and short cycle times, "Jampilen EP548R" allows high productivity rates. The finished items show good mechanical properties, and high dimensional stability.
"Jampilen 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, filter housings and applicants components.
"Jampilen EP548R" is suitable for food contact.

Processing Method

- Injection molding

Features

- Good impact strength
- High stiffness
- Excellent antistatic properties
- Excellent mold ability and short cycle times
- Heterophasic copolymer

Applications

- Thin-walled articles
- Articles with long flow path such as flower pots, containers, housewares, filters, filter housings and appliance components
- Sports, leisure and toys
- Approval:
- Food Certificate

TYPICAL PROPERTIES	UNIT	TYPICAL VALUE	TEST METHOD
	PHYSICAL		
MELT FLOW RATE (230˚C, 2.16 KG)	g/10min	21	ASTM D1238
DENSITY	g/cm³	0.9	ASTM D1505
	MECHANICAL		
FLEXURAL MODULUS	MPa	1500	ASTM D790
TENSILE STRENGTH AT YIELD	MPa	27	ASTM D638
TENSILE ELONGATION AT YIELD	%	7	ASTM D638
IZOD IMPACT STRENGTH (NOTCHED)AT 23 ˚C	J/M	85	ASTM D256
IZOD IMPACT STRENGTH (NOTCHED)AT -20 ˚C	J/M	50	ASTM D256
R^{O}CKWELL HARDNESS (SHORE D)	R scale	98	ASTM D785
	THERMAL		
VICAT SOFTENING POINT(10N)	˚C	149	ASTM D1525
H.D.T (0.46 MPA)	˚C	110	ASTM D648
ACCELERATED OVEN AGEING IN AIR AT 150˚C	Hours	360	ASTM D3012

Producer: Jam Polypropylene Co. (JPPC)

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