

Jampilen EP548U

Heterophasic Copolymer



Description:

"Jampilen 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.

"Jampilen EP548U" is extensively used in housewares and in thin-walled containers for food packaging (e.g. margarine tubs, yoghurt pots, etc.)

Processing Method:

Injection molding

Features:

High flow
Nucleated
Antistatic properties
Heterophasic copolymer

Typical Applications:

Containers
Sports, Leisure and toys
TWIM food containers
Housewares

Approval:

Food

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	70	g/10min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1600	MPa	ASTM D790
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Strength at Break	30	MPa	ASTM D638
Tensile Elongation at Yield	6	%	ASTM D638
Tensile Elongation at Break	10	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	> 50	J/m	ASTM D256
Izod Impact Strength (notched) at 0 °C	> 40	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	> 30	J/m	ASTM D256
Thermal			
Vicat softening point (B 120 °C/h, 10N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	100	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	Hours	ASTM D3012

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