

Technical Data Sheet

PP EP548T

Polypropylene Copolymer

EP548T is a high melt flow rate, nucleated heterophasic copolymer with a special antistatic additivition used for thin-wall injection molding, IML and houseware applications. The product features improved balance of mechanical properties. The use of EP-548T allows high productivity due to the easy mold filling and short cycle times.

In comparison with conventional copolymers with the same MFR and the same toughness, EP548T exhibits 15% higher rigidity.

EP548T is suitable for food contact.

Applications

TWIM/IML food containers (Margarine tubs, yoghurt pots, pots for soft cheese, pudding, etc.)

Housewares

Caps and closures

Flower pots and cool boxes

Sports, leisure and toys

Properties	Value	Unit	Test Method
Physical			
Melt Flow Rate (230°C, 2.16 Kg)	50	g/10 min	ASTM D 1238
Density	0.9	g/cm ³	ASTM D 1505
Mechanical			
Flexure Modulus	1450	Mpa	ASTM D 790
Tensile Strength at yield	26	Mpa	ASTM D 638
Tensile Strength at yield	5	%	ASTM D 638
Izod Impact Strength (notched)@ 23 °C	65	J/m	ASTM D 256
Izod Impact Strength (notched)@ -20 °C	45	J/m	ASTM D 256
Thermal			
Vicat Softening Point (10N)	155	°C	ASTM D 1525
H.D.T (0.46 Mpa)	105	°C	ASTM D 648
Accelerated oven ageing in air at 150°C	360	hours	ASTM D 3012