

POLYTAF

High Impact Polypropylene Compound

Applications

Polytaf is a very high impact Polyprpylene, especially suited for high productivity thin wall containers with IML. The good impact resistance also at low temperatures makes it ideal for refrigerated or frozen food applications like ice cream and other dairy products. The impact and stiffness has been carefully balanced to allow container weight reduction through thin wall designs.

Physical Properties

Item	Typical Value	Unit	Test Method
Melt Flow Index (190°C/2.16kg)	13	g/10min	ISO 1133
Melt Flow Index (190°C/5kg)		g/10min	ISO 1133
Density	0.94	gr/cm ³	ASTM D792
Melting Point (DSC)	>167	°C	ISO 11357-3
Crystallization Temperature (DSC)	118	°C	ISO 11357-3
Heat Of Fusion (DSC)	137.24	j/gr	ISO 11357-3
Oxidative Induction Time (OIT)	>40	min	ISO 11357-6
Tensile Strength at Break	15.7	MPa	ASTM D638
Elongation at Break	400	%	ASTM D638
Tensile Strength at Yield	16.36	MPa	ASTM D638
Charpy notched Impact Strength	55	Kj/m2	ISO179

❖ General

Polytaf

- Recyclable
- Easy-to-handle and process
- specially designed for in-mould label applications
- increased throughput for converters due to reduced cooling time and high flowability
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❖ Packaging

Polytaf is supplied in regular pellet form packed in 25kg bags. It should be stored in a dry place