

# Polychim Industrie

**Polychim Industrie**  
Port 4810  
4810 Route d'Artois  
F-59279 Loon-Plage

Tél. +33 (0)3 28 29 40 00  
Fax +33 (0)3 28 27 26 65  
Polychim.CS@bintg.com  
www.polychim-industrie.com

**Sales Manager Granules**  
Patrick Rijks  
patrick.rijks@bintg.com  
Mobile : 0032 499 860 885

# New generation clear PP Homopolymer HA31XTF

developed by

**Polychim Industrie** 

for sheet extrusion  
and thermoforming.

The technical information provided by Polychim Industrie S.A.S. herein is presented in good faith, to the best of our knowledge and based on information we believe is reliable. However no warranty of merchantability or fitness for a particular purpose is implied or expressed for present or future as Polychim Industrie S.A.S reserves the right to change the composition of its products in order to enhance merchantability and/or performance. Nor will Polychim Industrie S.A.S be liable for any direct, indirect, special, incidental, or consequential loss or damage, regardless of legal theory, negligence or strict liability. It is the customer's responsibility to inspect and to test our products in order to satisfy themselves as to the suitability of the products to their particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling our products.

Beaulieu  
International  
Group



[www.polychim-industrie.com](http://www.polychim-industrie.com)

# Polychim Industrie

Polypropylene homopolymer HA31XTF is a nucleated homopolymer with excellent clarity and good antistatic properties. HA31XTF is using latest generation nucleating agent and has been developed in close collaboration with Milliken.

TYPICAL PROPERTIES				
PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE	
Melt Flow Rate (230°C/2.16Kg)	ASTM D1238	g/10 min	3.5 ± 0.5	
Density	ASTM 1505	g/cm <sup>3</sup>	0.9	
Colour	DIN 6167	Yi	0 max	
Tensile Yield Strength (50mm/min)	ASTM D638	MPa	36	
Yield Elongation (50mm/min)	ASTM D638	%	9.5	
Flexural Modulus at 1.3mm/min (1% sec)	ASTM D790	MPa	1600 max	
Notched Izod Impact Strength at 23°C	ASTM D256-A	J/m	55	
Heat Deflection Temperature	ASTM D648	455 kPa	° C	111
		1820 kPa		58
Vicat Softening Point	ASTM D1525-A	9.81 N	° C	154
		49.05 N		93

## Main Benefits:

- Improved clarity over traditional nucleated homopolymers. (Haze value: 24 measured on 1 mm plaque)
- Excellent stiffness-impact balance.
- Higher output during thermoforming. (10% cycle time improvement)
- Isotropic and balanced shrinkage resulting in less part warpage.
- Good opticals and fresh part appearance due to reduced yellowing.
- Improved stackability of thermoformed items.
- High crystallization temperature allowing cost effective production.

## Applications:

- Disposable drinking cups.
- Freshly prepared salad cups and lids.
- Meat Trays
- Vending cups
- Salad bowls
- General food packaging

Applications where product appearance, opticals and reduced yellowing are an added value.