

Polychim HA31XTF

Polypropylene Homopolymer

Polychim Industrie S.A.S.

Message:

Polypropylene HA31XTF is a nucleated homopolymer with good antistatic properties. This product has high crystallization temperature allowing for cost efficient production, gives balanced physical properties including high stiffness, has isotropic & balanced shrinkage resulting in less warpage, and has good opticals & fresh part appearance due to reduced yellowing.

APPLICATIONS :

Thermoforming

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Low warpage		
	Rigidity, high		
	Optical		
	Homopolymer		
	Antistatic property		
Uses	Thermoforming Applications		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 - 4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	36.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.5	%	ASTM D638
Flexural Modulus - 1% Secant ³	< 1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	55	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	111	°C	ASTM D648
1.8 MPa, not annealed	58.0	°C	ASTM D648
Vicat Softening Temperature			
--	154	°C	ASTM D1525 ⁴
--	93.0	°C	ASTM D1525 ⁵
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 0.0	YI	DIN 6167
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	1.3 mm/min
4.	速率 A (50°C/h), 压 力1 (10N)
5.	速率 A (50°C/h), 载荷2 (50N)

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