

Polychim HJ40XI

Polypropylene Homopolymer

Polychim Industrie S.A.S.

Message:

Polypropylene HJ40XI is a nucleated homopolymer with good antistatic properties. This product has high crystallization temperature allowing for cost efficient production based on short molding cycles, gives balanced physical properties including high stiffness, has isotropic & balanced shrinkage resulting in less warpage & potential for pigment leveling, and has good opticals in thin walled molded articles & fresh part appearance due to reduced yellowing.

APPLICATIONS :

Injection moulding

General Information			
Additive	Nucleating agent		
Features	Nucleated		
	Low warpage		
	Rigidity, high		
	Optical		
	Homopolymer		
	Antistatic property		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50 - 60	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	38.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	8.5	%	ASTM D638
Flexural Modulus - 1% Secant ³	< 1850	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	122	°C	ASTM D648
1.8 MPa, not annealed	61.0	°C	ASTM D648
Vicat Softening Temperature			
--	154	°C	ASTM D1525 ⁴
--	95.0	°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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