

Polychim HL10XF

Polypropylene Homopolymer

Polychim Industrie S.A.S.

Message:

APPLICATIONS :
High tenacity fiber spinning.

General Information			
Features	Homopolymer		
Uses	Fiber		
Processing Method	Fiber (spinning) extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3 - 4.3	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)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	104	°C	ASTM D648
1.8 MPa, not annealed	54.0	°C	ASTM D648
Vicat Softening Temperature			
--	155	°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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