

POLYCHIM V 10 FB

Polypropylene Homopolymer

POLYCHIM INDUSTRIES

Message:

POLYCHIM V 10 FB is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by fiber (spinning) extrusion and is available in Europe. Typical application: Fabrics/Fibers. Primary characteristic: homopolymer.

General Information			
Features	Homopolymer		
	Wide Molecular Weight Distribution		
Uses	Fibers		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.903	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 to 8.0	g/10 min	ASTM D1238
Ash Content	320	mg/kg	ASTM D229
Color - Yi	< 0.0		DIN 6167
Xylene Solubles - Atacticity	< 5.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	38.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	15	%	ASTM D638
Flexural Modulus - 1% Secant ³	< 1650	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, Unannealed	110	°C	
1.8 MPa, Unannealed	58.0	°C	
Vicat Softening Temperature	102	°C	ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		
4.	Loading 2 (50 N)		

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