

POLYCHIM C 10 BB

Polypropylene Homopolymer
POLYCHIM INDUSTRIES

Message:

POLYCHIM C 10 BB is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by fiber (spinning) extrusion and is available in Europe. Applications of POLYCHIM C 10 BB include fabrics/fibers and yarn. Primary characteristic: homopolymer.

General Information			
Features	Homopolymer		
	Wide Molecular Weight Distribution		
Uses	BCF Yarn		
	Fibers		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	22 to 28	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)	112		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	35.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	14	%	ASTM D638
Flexural Modulus - 1% Secant ³	< 1650	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	88.0	°C	
1.8 MPa, Unannealed	56.0	°C	
Vicat Softening Temperature			
--	154	°C	ASTM D1525 ⁴
--	95.0	°C	ASTM D1525 ⁵
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

4.	Loading 1 (10 N)
5.	Loading 2 (50 N)

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