

HIPOLEN P FY 5

Polypropylene Homopolymer
HIPOL A.D.

Message:

Hipolen® P FY 5 is a homopolymer, suitable for fibers products.
Typical applications of Hipolen® P FY 5 are, flat Yarn, monofilaments, and geotextiles.
Hipolen® P FY 5 has a wide range of approval for contact with food but for specific applications, reference should be made to Hipol chemical industry.

General Information			
Features	Homopolymer		
	Workability, good		
	Compliance of Food Exposure		
Uses	monofilament		
	Textile applications		
	Fabric		
	Heavy packing bag		
Forms	Particle		
Processing Method	Film extrusion		
	Blow molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	9.0	%	ASTM D638
Fracture	800	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	38	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	145	°C	ISO 306/A50
Extrusion	Nominal Value	Unit	
Melt Temperature	230 - 270	°C	
Extrusion instructions			

Melt temperature, tubular film: 210 to 250°CStretch oven temperature: 150 to 160°C

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