

HIPOL™ F301

Polypropylene Homopolymer

Mitsui Chemicals, Inc.

Message:

HIPOL™ F301 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for extrusion.

Important attributes of HIPOL™ F301 are:

Good Processability

Homopolymer

Rigid

Typical applications include:

Fabrics/Fibers

Nonwovens

Straps/Ropes

Yarn

General Information			
Features	Good Moldability High Rigidity Homopolymer		
Uses	Carpet Backing High Tenacity Flat Yarn Monofilaments Rope		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	37.3	MPa	
Break	34.3	MPa	
Tensile Elongation (Break)	500	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	29	J/m	
23°C	59	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	

1.8 MPa, Unannealed	60.0	°C	
Vicat Softening Temperature	155	°C	ASTM D1525

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