

Sumitomo PP Y101

Polypropylene Homopolymer

Sumitomo Chemical Asia

Message:

Applications For general purpose and houseware applications.
Characteristics High flow, excellent gloss and stiffness.

General Information	
Features	High Flow
	High Gloss
	High Stiffness
	Homopolymer
Uses	General Purpose
	Household Goods
Agency Ratings	EU 2002/72/EC
	EU 2004/19/EC
	FDA 21 CFR 177.1520(c) 1.1a
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage			Internal Method
Across Flow	1.2	%	
Flow	1.2	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	34.0	MPa	
Break	28.0	MPa	
Flexural Modulus	1700	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	2.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	116	°C	ASTM D648
Vicat Softening Temperature	158	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 240	°C	
NOTE			
1.	Loading 1 (10 N)		

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