

Halene P T105N

Polypropylene Homopolymer

Haldia Petrochemicals Ltd.

Message:

T105N is a Polypropylene Homopolymer, produced by Spheripol II Technology. This grade is primarily suitable for extrusion & thermoforming process. T105N combines exceptional processability with high melt flow, excellent Stiffness, Clarity & Gloss. T105N is suitable for food contact applications.

General Information			
Features	Rigidity, high		
	Highlight		
	Workability, good		
	Definition, high		
	Compliance of Food Exposure		
Uses	Cup		
	Container		
	Disposable wine set		
Processing Method	Extrusion		
	Thermoforming		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	37.0	MPa	ASTM D638
Tensile Elongation (Break, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1750	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	45	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Die Temperature	220 - 250	°C	
Extrusion instructions			

Barrel Temperature: 190 - 230 °C

NOTE

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| 1. | 23°C |
| 2. | 压力1 (10N) |

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