

# Halene P T103

Polypropylene Homopolymer  
Haldia Petrochemicals Ltd.

Message:

T103 is a Polypropylene Homopolymer, produced by the latest generation Spheripol II Technology. This homopolymer is primarily suitable for extrusion & thermoforming process. T103 combines exceptional processability with excellent Stiffness, Clarity & Gloss.

General Information			
Features	Good Processability		
	High Clarity		
	High Gloss		
	High Stiffness		
	Homopolymer		
Uses	Containers		
	Cups		
	Disposable Drinkware		
Forms	Pellets		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	37.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1700	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)	95.0	°C	ASTM D648
Vicat Softening Temperature	154	°C	ASTM D1525 <sup>2</sup>
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	190 to 230	°C	
Cylinder Zone 2 Temp.	190 to 230	°C	
Cylinder Zone 3 Temp.	190 to 230	°C	

Cylinder Zone 4 Temp.	190 to 230	°C
Cylinder Zone 5 Temp.	190 to 230	°C
Die Temperature	220 to 250	°C

NOTE		
1.	23°C	
2.	Loading 1 (10 N)	

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