

Halene P R103

Polypropylene Homopolymer
Haldia Petrochemicals Ltd.

Message:

R103 is a Polypropylene Homopolymer, produced by the latest generation Spheripol Technology. This homopolymer is primarily suitable for Extrusion process.
R103 combines exceptional processability with low Water Carry Over, excellent strength & Toughness and good Color Stability.

General Information			
Features	High strength		
	Homopolymer		
	Workability, good		
	Good color stability		
	Good toughness		
	Low water portability		
Uses	Packaging		
	Strap		
	Carpet backing		
	Rope		
	Line		
Forms	Particle		
Processing Method	Extrusion		
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)	3.3	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1450	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	40	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	93.0	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525 ²
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	220 - 280	°C	

Cylinder Zone 2 Temp.	220 - 280	°C
Cylinder Zone 3 Temp.	220 - 280	°C
Cylinder Zone 4 Temp.	220 - 280	°C
Cylinder Zone 5 Temp.	220 - 280	°C
Die Temperature	260 - 280	°C

Extrusion instructions

Quench Temperature: 30 to 40°CStretching Temperature - Oven: 160°C

NOTE

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| 1. | 23°C |
| 2. | 压力1 (10N) |

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