

Advanced-PP 1104H

Polypropylene Homopolymer
Advanced Petrochemical Company

Message:

Advanced-PP 1104 H is a propylene homopolymer with narrow MFR range. Main application is OPP core layers as well as general extrusion. The product is free from metal stearates and functional additives like slip agents and is therefore in particular suitable for metallisable BOPP film.

Applications
Core layer in metallisable and general OPP Film (stenter process), General Extrusion

General Information	
Features	Additive Free
	Homopolymer
	Metallizable
Uses	Bi-axially Oriented Film
	Film
Processing Method	Bi-axially Oriented Film
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	72.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	
Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	154	°C	ISO 306/A50
Melting Temperature (DSC)	163	°C	ISO 3146

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