

HOPELEN B-110

PP HOMOPOLYMER

General Information

Description

B-110 is homo polymer resin produced through the polymerization of propylene. This grade can be processed by sheet extrusion. The characteristics of high strength, heat resistance and transparency endow the final product with an outstanding image.

Applications

- ◆ Flat sheet use(stationery files, binders, fancy goods, videotape case etc.)
- ◆ Vacuum forming use(food packaging/industrial tray)

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ASTM D1238	0.5	g/10min		
Density	ASTM D792	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ASTM D638	370	kgf/cm ²	36	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	16,000	kgf/cm ²	1,570	MPa
Impact					
Notched Izod Impact Strength (23℃)	ASTM D256	5.0	kgf·cm/cm	49	J/m
Notched Izod Impact Strength (-10℃)	ASTM D256	2.5	kgf·cm/cm	25	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ASTM D648	105	℃		

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

www.lottechem.com

HOPELEN B-110

PP HOMOPOLYMER

General Information

Description

B-110 is homo polymer resin produced through the polymerization of propylene. This grade can be processed by sheet extrusion. The characteristics of high strength, heat resistance and transparency endow the final product with an outstanding image.

Applications

- ◆ Flat sheet use(stationery files, binders, fancy goods, videotape case etc.)
- ◆ Vacuum forming use(food packaging/industrial tray)

Physical Properties¹

Physical	Test Method	Nominal Values			
Melt Flow Index	ISO 1133	0.5	g/10min		
Density	ISO 1183	0.90	g/cm ³		
Mechanical					
Tensile Stress (Yield)	ISO 527-1	350	kgf/cm ²	34	MPa
Tensile Strain (Break)	ISO 527-1	>100	%	>100	%
Flexural Modulus	ISO 178	13,000	kgf/cm ²	1,270	MPa
Impact					
Notched Izod Impact Strength (23℃)	ISO 180	4.0	kgf-cm/cm	39	J/m
Notched Izod Impact Strength (-10℃)	ISO 180	2.0	kgf-cm/cm	20	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm ²)	ISO 75-1	85	℃		

NOTE

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications

www.lottechem.com