DATASHEET

ASTM Property

LOTTE CHEMICAL

Grade	BS-110
Product	PP

General Information	
Key Features	- High crystallinity homo polypropylene - Excellent mechanical properties
Applications	Separators for lithium-ion secondary(rechargeable) batteries

Item	Measuring Method	Unit	Value
	Physical		
Melt Flow Index	ASTM D1238	g/10min	0.8
Density	ASTM D1505	g/㎤	0.90
Isotactic Index (NMR)	LCC METHOD	%	98
	Mechanical		
Tensile Stress (Yield)	ASTM D638	kgf/㎠	390
Tensile Strain (Break)	ASTM D638	%	≥100
Flexural Modulus	ASTM D790	kgf/㎠	18,000
Rockwell Hardness	ASTM D785	R	108
	Thermal		
Melting point (Peak)	ASTM D3418	℃	165
	Additional Properties		
Ash Content	LCC METHOD	ppm	≤100

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

* The last update date : 2025/06/12