

KOPELEN B-310E

Polypropylene Impact Copolymer

Lotte Chemical Corporation

Message:

B-310E is impact block copolymer which has ethylene-propylene rubber inside homo polypropylene.
This grade can be processed by sheet extrusion. B-310 shows good impact resistance at low temperature and has also high strength.
It has good vacuum molding property, suitable for the production of vacuum molding goods.
B-310E is applied to food packaging tray, various industrial sheets.

General Information			
Features	Block Copolymer		
	Good Impact Resistance		
	High Strength		
	Low Temperature Impact Resistance		
Uses	Blow Molding Applications		
	Corrugated Sheet		
	Food Packaging		
	Industrial Applications		
	Packaging		
	Sheet		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Vacuum Forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C	44	J/m	
23°C	490	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°C	ASTM D648
Flammability	Nominal Value		Test Method

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