

Moplen EP310D

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

High Melt Strength Polypropylene Impact Copolymer Resin

Features:

Excellent processability for extension and blow molding

Very good cold impact resistance

Very high impact strength and good stiffness

Applications:

Blown film for Heavy Duty Bag

Pipe (non Pressure) and Profile

Corrugated pipe

Blow Molding Bottle

Thermoforming Sheet

General Information			
Features	Impact copolymer		
	Workability, good		
	Low liquidity		
	Compliance of Food Exposure		
Uses	Films		
	Blow molding applications		
	Piping system		
	Sheet		
	Bottle		
	Profile		
	Heavy packing bag		
Processing Method	Blow film		
	Blow molding		
	Pipeline extrusion molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method

Notched Izod Impact (23°C)	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.0	°C	ASTM D648

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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