

Moplen EP545L

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP545L is a heterophasic copolymer suitable for the production of beverage closures using both compression and injection moulding technologies. The resin is additivated with both slip and antistatic whilst exhibiting a good stiffness and impact strength. Additional applications for this resin include housewares and medium-sized containers.

General Information	
Additive	Antistatic Nucleating Agent Slip
Features	Antistatic Good Impact Resistance Good Stiffness High Strength Impact Copolymer Nucleated Slip
Uses	Caps Containers Household Goods
Forms	Pellets
Processing Method	Compression Molding Injection Molding

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)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.0	MPa	ASTM D638
Tensile Elongation (Yield)	7.0	%	ASTM D638
Flexural Modulus	1480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	77	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45
MPa, Unannealed)

115

°C

ASTM D648

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Recommended distributors for this material

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

