

Moplen EP318R

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP318R is a polypropylene impact copolymer manufactured using the Spheripol process.

Potential applications include extrusion coating on PP wovens and kraft paper.

General Information			
Features	Good Processability High Flow Impact Copolymer Low Neck-In		
Uses	Coating Applications Film Food Packaging Laminates Paper Coatings		
Forms	Pellets		
Processing Method	Extrusion Coating		
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)	31	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	150	°C	ASTM D1525

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