# Moplen EP301K

### Polypropylene Impact Copolymer

#### LyondellBasell Industries

#### Message:

LyondellBasell Australia's polypropylene grade EP301K is a medium flow impact copolymer with a conventional molecular weight distribution and is formulated with a general-purpose additive package. EP301K is designed for injection moulding applications requiring good flow, a good impact/rigidity balance and good creep resistance. End use products typically made from EP301K include domestic appliances, crates, pails and closures.

General Information			
Features	General Purpose		
	Good Creep Resistance		
	Good Impact Resistance		
	Impact Copolymer		
	Medium Flow		
	Medium Rigidity		
Uses	Appliances		
	Caps		
	Closures		
	Crates		
	Pails		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (230°C/2.16			
kg)	4.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	66		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	23.0	MPa	ISO 527-2
Flexural Modulus	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	4.0	kJ/m²	
0°C	5.0	kJ/m²	
23°C	8.0	kJ/m²	
Falling Dart Impact (-40°C)	11.0	J	BS 2782 306B
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	75.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	°C	ISO 75-2/A
Vicat Softening Temperature	150	°C	ISO 306/A

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Recommended distributors for this material

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