

# Technical Data Sheet

## Moplen EP332K



Polypropylene, Impact Copolymer

### Product Description

Moplen EP332K is a polypropylene impact copolymer with an optimized balance of stiffness and toughness, high impact strength at low temperature, low warpage and good thermal ageing stability. Typical customer applications are injection molding of toys, crates, appliances housing, and general housewares.

<b>Status</b>	Commercial: Active
<b>Availability</b>	Africa-Middle East; Asia-Pacific; Australia and New Zealand
<b>Application</b>	Crates; Housewares; Opaque Containers; Small Appliances; Sports, Leisure & Toys
<b>Market</b>	Consumer Products; Electrical / Electronics
<b>Processing Method</b>	Injection Molding
<b>Attribute</b>	Good Heat Aging Resistance; Good Impact Resistance; Good Toughness; High Stiffness; Impact Copolymer

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	5	g/10 min	ISO 1133-1
Density	0.90	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	25	MPa	ISO 527-1, -2
Tensile Strain at Yield	9	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	13	kJ/m <sup>2</sup>	ISO 179
(0 °C, Type 1, Edgewise, Notch A)	6.4	kJ/m <sup>2</sup>	ISO 179
(-20 °C)	4.7	kJ/m <sup>2</sup>	ISO 179

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