



## Moplen EP300N

### Polypropylene, Impact Copolymer

#### Product Description

Moplen EP300N is a heterophasic copolymer for injection moulding. The product offers an excellent balance of stiffness, impact strength and processability. Typical applications of Moplen EP300N are packaging, housewares and automotive parts. Moplen EP300N is suitable for food contact. It is not intended for medical and pharmaceutical applications.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe
<b>Processing Methods</b>	Injection Molding
<b>Features</b>	Good Impact Resistance , Good Processability, Good Stiffness
<b>Typical Customer Applications</b>	Crates, Housewares, Industrial

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.900	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	15.0	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	24.0	MPa
Tensile Strain at Yield	ISO 527-1, -2	6.5	%
Flexural modulus (1 in/min, 1% Secant %)	ISO 178	1100	MPa
<b>Hardness</b>			
Rockwell Hardness	ISO 2039-2	-	
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	75.0	°C
Vicat softening temperature	ISO 306	146	°C
<i>Note: A50 (50°C:h 10N)</i>			
Accelerated oven ageing	ISO 4577	360	hr
<i>Note: Forced circulation, 150°C</i>			

#### Notes

Typical properties; not to be construed as specifications.