



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

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	15.0	g/10 min
Mechanical			
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
Hardness			
Rockwell Hardness	ISO 2039-2	-	
Thermal			
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.