



Moplen RP348U

Polypropylene, Random Copolymer

Product Description

Moplen RP348U is a new random copolymer featuring very high fluidity. It is suitable for injection moulding applications.

Moplen RP348U is clarified with antistatic additivation.

Moplen RP348U exhibits very high fluidity while maintaining the standard stiffness - impact balance of a lower melt flow random copolymer. The product exhibits very good transparency and gloss.

Moplen RP348U can be used in houseware and in food packaging. Its high fluidity allows short processing cycle times, moulding of very thin wall items and very complex geometry.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Injection Molding
Typical Customer Applications	Clear Containers, Housewares, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm ³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	75	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	102	cm ³ /10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1050	MPa
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Break	ISO 527-1, -2	> 50	%
Tensile Strain at Yield	ISO 527-1, -2	12	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		3.5	kJ/m ²
(0 °C, Type 1, Edgewise, Notch A)		1.0	kJ/m ²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	53	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80	°C
Vicat softening temperature A/50	ISO 306	130	°C
Vicat softening temperature B/50	ISO 306	72	°C
Optical			
Haze (1 mm)	ASTM D 1003	11	%

Notes

Typical properties; not to be construed as specifications.