



Moplen RP340H

Polypropylene, Random Copolymer

Product Description

Moplen RP340H is a random copolymer with nucleation for extrusion applications. The grade exhibits excellent clarity and good rigidity. The main applications of Moplen RP340H are co-extrusion blow moulding, sheet extrusion and thermoforming.

Moplen RP340H is suitable for food contact.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	Europe
Processing Methods	Extrusion Blow Molding, Extrusion Pipe Sheet and Semi Finished Products, Extrusion Thermoforming
Features	High Clarity, Random Copolymer, Nucleated, Medium Rigidity
Typical Customer Applications	Blow Moulding - other, Blow Moulding Applications, Bottles For Consumer Goods, Bottles for Industrial Use

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	1.8	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	2.40	cm³/10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1100	MPa
Tensile Stress at Yield	ISO 527-1, -2	30.0	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	13	%
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise) Note: no break	ISO 179	210	kJ/m²
(0 °C, Type 1, Edgewise) Note: no break		283	
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A) (0 °C, Type 1, Edgewise, Notch A)	ISO 179	28	kJ/m²
		2.5	
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	56.0	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	80.0	°C
Vicat softening temperature (B50 (50°C/h 50N)) (A50 (50°C/h 10N))	ISO 306	72.0	°C
		130	°C

Additional Properties

Haze (injection moulded 1mm disk), ASTM D1003: 11 %

Notes

Typical properties; not to be construed as specifications.