



Moplen HP548L

Polypropylene, Homopolymer

Product Description

Moplen HP548L is a homopolymer for extrusion and thermoforming applications with nucleation and antielectrostatic agent.

Moplen HP548L offers good stiffness and transparency. It exhibits an excellent processability and good wall thickness distribution of the thermoformed parts.

The main applications of Moplen HP548L are dairy packaging, yellow fat packaging, lids and trays. It is not intended for medical and pharmaceutical applications.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Methods	Extrusion Thermoforming
Typical Customer Applications	Housewares, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.9	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	5.5	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	7.4	cm³/10min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1600	MPa
Tensile Stress at Yield	ISO 527-1, -2	36	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	9	%
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	140	kJ/m²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	3.5	kJ/m²
Hardness			
Ball indentation hardness (H 358/30)	ISO 2039-1	78	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature (A50 (50°C/h 10N)) (B50 (50°C/h 50N))	ISO 306		
		154	°C
		94	°C
Optical			
Haze (1 mm)	ASTM D 1003	49	%
Gloss (60°)	ASTM D 2457	107	%

Notes

Typical properties; not to be construed as specifications.