lyondellbasell

Moplen HP532J

Polypropylene, Homopolymer

Product Description

Moplen HP532J is a homopolymer, suitable for processing by extrusion. Typical applications include raffia and tapes.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Method	Tapes & Raffia
Features	Good Processability
Typical Customer Applications	Film Wrap, Filament Yarn

Typical Properties	Method	Value Unit
Physical		
Density	ISO 1183	0.9 g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	3.4 g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	4.6 cm³/10min
Mechanical		
Tensile Modulus	ISO 527-1, -2	1500 MPa
Tensile Stress at Yield	ISO 527-1, -2	34 MPa
Tensile Strain at Break	ISO 527-1, -2	>50 %
Tensile Strain at Yield	ISO 527-1, -2	10 %
Impact		
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	190 kJ/m²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	4.0 kJ/m²
Hardness		
Ball indentation hardness (H 358/30)	ISO 2039-1	74 MPa
Thermal		
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	97 °C
Vicat softening temperature	ISO 306	
(A50 (50°C/h 10N))		154 °C
(B50 (50°C/h 50N))		92 °C

Notes

Typical properties; not to be construed as specifications.

Release Date: 17 Sep 2009