



Moplen HP456H

Polypropylene, Homopolymer

Product Description

Moplen HP456H is used in extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Typical applications are strapping, monofilaments and tapes. For regulatory information please refer to Moplen HP456H Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Tapes & Raffia
Features	Homopolymer
Typical Customer Applications	Raffia/Tapes/Strapping

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	1.8	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	25	N/mm ²
Tensile Stress at Yield	ISO 527-1, -2	34	N/mm ²
Tensile Strain at Break	ISO 527-1, -2	>500	%
Tensile Strain at Yield	ISO 527-1, -2	11	%
Flexural modulus	ISO 178	1400	N/mm ²
Impact			
Charpy unnotched impact strength	ISO 179	240	kJ/m ²
Charpy notched impact strength	ISO 179	11	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2		

products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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Release Date: 21 Jan 2014