

Moplen HP456J

Polypropylene, Homopolymer

Product Description

Moplen HP456J is a homopolymer, suitable for extrusion and thermoforming applications. It is formulated with a low water-carry-over additive package. Moplen HP456J is designed for production of ropes and tapes for carpet backing.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Africa-Middle East
Processing Method	Extrusion, Extrusion, Sheet, Film, Cast
Features	Food Contact Acceptable, Homopolymer, Water Carryover, Low
Typical Customer Applications	Tape & Monofilament (Including Raffia)

Typical Properties	Method	Value	Unit
Physical			
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	cm ³ /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	9	%
Impact			
Charpy unnotched impact strength (23 °C, Type 1, Edgewise)	ISO 179	190	kJ/m ²
Charpy notched impact strength (23 °C, Type 1, Edgewise, Notch A)	ISO 179	4.0	kJ/m ²
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	85	°C
Vicat softening temperature	ISO 306		
(A50 (50°C/h 10N))		154	°C
(B50 (50°C/h 50N))		90	°C

Notes

Typical properties; not to be construed as specifications.

© 2003 Basell Service Company B.V.

For the contact details of the Basell company selling this product in your country, please visit the Basell website at www.basell.com.

Before using a Basell product, customers and other users should make their own independent determination that the product is suitable for the intended use. They should also ensure that they can use the Basell product safely and legally. (Material Safety Data Sheets are available from Basell at www.basell.com.) This document does not constitute a warranty, express or implied, including a warranty of merchantability or fitness for a particular purpose. No one is authorized to make such warranties or assume any liabilities on behalf of Basell except in writing signed by an authorized Basell employee. Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or refund of the purchase price at Basell's option, and in no event shall Basell be liable for special, consequential, incidental, punitive, or exemplary damages.

Adflex, Adstif, Adsyl, Avant, Catalloy, Clyrell, Hifax, Higran, Histif, Hostacom, Hostalen, Hostalen PP, Hostalen ACP, Lucalen, Luflexen, Lupolen, Lupolex, Lupotech G, Lupotech T, Metocene, Moplen, Pro-fax, Pro-fax Ultra, Purell, Softell, Spherilene, Spheripol, Spherizone and Stretchene are trademarks owned or used by Basell.

Adflex, Adstif, Adsyl, Clyrell, Hifax, Hostacom, Hostalen, Lucalen, Luflexen, Lupolen, Lupotech, Moplen and *Pro-fax* are registered in the U.S. Patent and trademark office.

Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector

Release Date: 26 Apr 2004