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Moplen HP556E

Polypropylene, Homopolymer

Product Description

Moplen HP556E is used in extrusion and blow moulding applications. It is formulated with an enhanced process stabilisation package providing also low water□carry□over during processing on strapping lines. Moplen HP556E is used in the production of straps, sheets, pipes and technical injection□moulded items. For regulatory information please refer to Moplen HP556E Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia□Pacific, Africa□Middle East
Processing Methods	Extrusion Flat□die, Extrusion Pipe Sheet and Semi Finished Products
Features	Homopolymer, High Molecular Weight
Typical Customer Applications	Blow Moulding Applications, Pipes, Strapping

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	0.8	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527□1, □2	28	N/mm²
Tensile Stress at Yield	ISO 527□1, □2	34	N/mm²
Tensile Strain at Break	ISO 527□1, □2	>500	%
Tensile Strain at Yield	ISO 527□1, □2	11	%
Flexural modulus	ISO 178	1400	N/mm²
Impact			
Charpy unnotched impact strength	ISO 179	260	kJ/m²
Charpy notched impact strength	ISO 179	14	N/mm²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B□1, □2	90	°C
Vicat softening temperature	ISO 306		
(A50 (50°C/h 10N))		153	°C
(B50 (50°C/h 50N))		93	°C

Notes

Typical properties; not to be construed as specifications.

This product(s) may not be used in:

(i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or

(ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices; (2) film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related 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.

Release Date: 21 Jan 2014