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.