



HW167

Description:

High-Density polyethylene (HDPE) is as a granular product, non-toxic, tasteless, with acrytallinity of 80%-90% and a softening point of 125-135°C. The service temperature can reach 100°C; the wear resistance, electrical insulation, lowtemperature and cold resistance are relatively good; the chemical stability is good, and it can be used under indoor temperature conditions. Insoluble in any organic solvent, acid, alkali and various salts.



PROPERTIES	TEST STANDARDS	TEST CONDITIONS	S.L UNITS	TECHNICAL VALUES
Tensile Strength	ISO 527-2 Melting strip	(23±2) °C, 50±10) %RH ,30min Speed: 50mm/min	MPa	23-25
Elongation at Break	ISO 572-2 Melting strip	(23±2) °C, 50±10) %RH ,30min Speed: 50mm/min	%	700-900
Flexural Strength	ISO 178 GB/T 9341-2008	(23±2) °C, 50±10) %RH,30min Speed: 2mm/min	MPa	17
Flexural Modulus	ISO 178 GB/T 9341-2008	(23±2) °C, 50±10) %RH,30min Speed: 2mm/min	MPa	458
Impact Strength	ISO 180/1A GB/T 1483-2008	(23±2) °C, (50±10) %RH,30min Cantilever notched impact: 5.5J; Speed:3.5m/s	KJ/m2	26
Melting Flow Rate	ASTM-D1238 GB/T 3682-2018	190°C,5KG	g/10min	0.8-1.1
Density	ISO 1183 GB/T 1033-2008	(23±2) °C, (50±10) %RH30min Dippingsolution:Water	g/cm3	0.953
Ash Content	ISO 1183 GB/T 9345-2008	800°C,2h	%	<2

Note: All test data in this test report are real data obtained through laboratory instrument testing. Due to differences in brand instrument and product processing technology adjustments, there may be differences with other test equipment data, and the data are for reference only.

Applications:



Blown film

garbage bag, medical bag, waterproof membrane, industrial film etc.



Blow molding

transportation facilities, barrels, bottles, pots, sea floats etc



Extrusion

steel belt pipe, water supply pipe, silicon core pipe, plum blossom pipe etc.



Other plastics parts

tarpaulin, net bag etc

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