



HT178

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
Melting Flow Rate	ISO 1133-1:2022	190℃,2.16KG 120S	g/10min	0.13-0.14
Elongation at Break	ISO 572-2 Melting strip	(23±2)℃, 50±10) %RH,30min Speed: 50mm/min	%	800-900
Flexural Strength	ISO 178 GB/T 9341-2008	(23±2)℃, 50±10) %RH,30min Speed: 2mm/min	MPa	17
Flexural Modulus	ISO 178 GB/T 9341-2008	(23±2)℃, 50±10) %RH,30min Speed: 2mm/min	MPa	460
Impact Strength	ISO 180/1A GB/T 1483-2008	(23±2)℃, (50±10) %RH,30min Cantilever notched impact: 5.5J; Speed:3.5m/s	KJ/m2	31
Melting Flow Rate	ASTM-D1238 GB/T 3682-2018	190℃,5KG	g/10min	0.9-1.2
Density	ISO 1183 GB/T 1033-2008	(23±2)℃, (50±10) %RH30min Dippingsolution:Water	g/cm3	0.948
Ash Content	ISO 1183 GB/T 9345-2008	800℃,2h	%	<0.2