R-HDPE |TECHNICAL DATA

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HT178

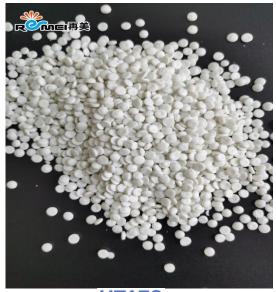## Description：

High-Density polyethylene (HDPE) is as a granular product, non-toxic, tasteless, with acrystallinity 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	TECHNICIAL VALUES
Tensile Strength	ISO 527-2 Melting strip	（23±2）℃, 50±10）%RH ,30min Speed：50mm/min	MPa	24-26
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

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, cause
there may be differences with other test equipment data,
and the data are for reference only.

Applications:

Extubation

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

Blow molding

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

Blow molding

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

Other plastics parts

tarpaulin, net bag etc

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