R-HDPE |TECHNICAL DATA

SHT178

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	（23±2）℃, 50±10）%RH ,30min Speed：50mm/min	MPa	27-31
Elongation at Break	ISO 572-2	（23±2）℃, 50±10）%RH ,30min Speed：50mm/min	%	850-950
Flexural Strength	ISO 178	（23±2）℃, 50±10）%RH,30min Speed：2mm/min	MPa	20
Flexural Modulus	ISO 178	（23±2）℃, 50±10）%RH,30min Speed：2mm/min	MPa	512
Impact Strength	ISO 180/1A	（23±2）℃, （50±10）%RH,30min Cantilever notched impact：5.5J; Speed:3.5m/s	KJ/m2	39.71
Melting Flow Rate	ASTM-D1238	190℃,5KG	g/10min	1.01
Density	ISO 1183	（23±2）℃, （50±10）%RH30min Dippingsolution:Water	g/cm3	0.946
Ash Content	ISO 1183	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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