

Factory Direct Supply Acrylic Acid Aid Pvc Acrylic Acid Polyacrylamide Aid Polyethylene CPA-80 Made In China

Specifications :

Price	Contact us
Place of Origin	China
Min.Order Quantity	1
Payment Terms	T/T,L/C,D/P
Supply Ability	1000
Delivery Detail	3days--7days

Detail Introduction :

Acrylic Chlorinated polyethylene CPA-80

Description

CPA-80 is our patent product. Compared with CPE, it endows PVC products with much higher elongation at break and excellent toughness at low temperature. It can replace CPE and processing aid in the formulation.

Key property

- ? Promote fusion of PVC compound
- ? Excellent elongation at break and toughness
- ? Improve surface quality of PVC finished products

Product index

Specification	Unit	Test standard	CPE	CPA-80
Appearance	--	--	White powder	White powder
Bulk density	g/cm ³	GB/T 1636-2008	0.50	0.50±0.10
Sieve residue (30 mesh)	%	GB/T 2916	1.90	?2.0
Volatile content	%	ASTM D5668	1.45	?1.50
Elongation at break	%	GB/T 528-2009	755	1500±150

Formulation for following tests

Mixing equipment type: SHR-5A from Zhang Jiagang Beier Machinery Co., Ltd

Mixing condition: 50Hz, 120? emptying Volume: 5.0

Ingredients	1#	2#
PVC (K-65)	100.00	100.00
Ca-Zn stabilizer	4.00	4.00
TiO ₂ (Rutile)	5.00	5.00

CaCO ₃ (PCC)	25.00	25.00
Processing aid competitor D	--	1.00
CPE	--	5.00
CPA-80	5.00	--

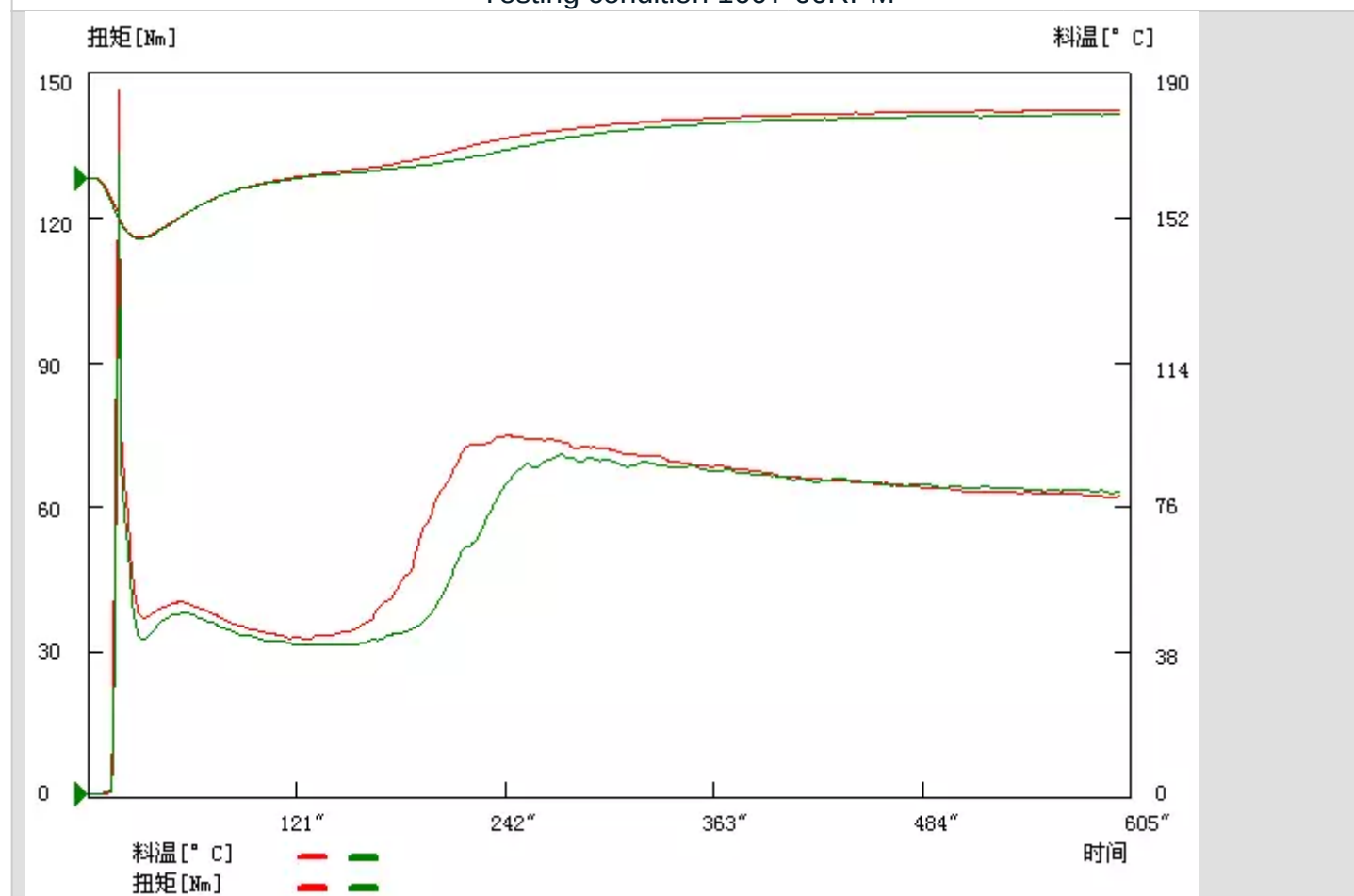
Properties comparison

Fusion properties comparison

Test equipment type: RM-200C torque rheometer

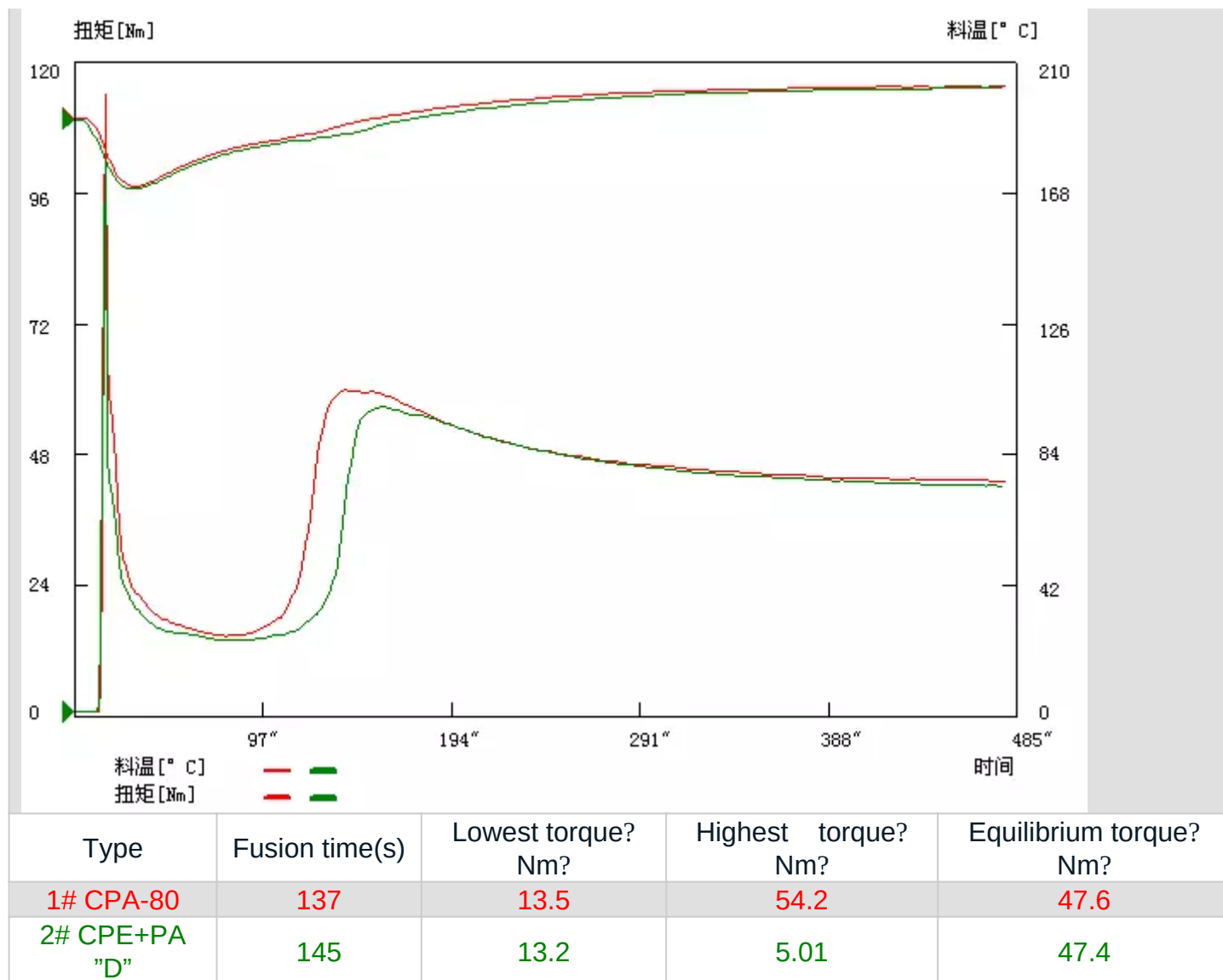
Volume: 60ml

Testing condition 160?-60RPM



Type	Fusion time(s)	Lowest torque? Nm?	Highest torque? Nm?	Equilibrium torque? Nm?
1# CPA-80	181	32.2	85.3	62.6
2# CPE+PA "D"	192	31.8	82.1	62.5

Testing condition 190?-60RPM



Mechanical properties comparison

Test method:

- 1 Make plate with compound on double-roller mill under 185° for 5min.
- 1 Then retain 6 min in curing press at 185°
- 1 According to the following test standards and test conditions, prepare samples and obtain test results.

Specifications	Unit	Test standard	1# CPA-80	2# CPE+PA "D"
Elongation at break	%	GB/T 1040	165.9±2.1	161.5±2.2
Charpy impact Strength	KJ/m2	GB/T 1043	7.1±0.4	6.8±0.3
Tensile strength	MPa	GB/T 1040	40.0±0.3	38.1±0.3
Hardness (Shore D)	--	GB/T 2411	85.9±0.2	85.6±0.2
Vicat softening point	°	GB/T 1633	84.3±0.2	84.4±0.1
Corner welding strength	KJ/m2	GB/T 8814-2004	40.4±0.4	37.5±0.3

Tensile-impact strength (KJ/m2)

Test condition: 0° Test standard: GB/T:13525

Type	1# CPA-80	2# CPE+PA "D"
Tensile-impact strength	666.04±13.8	604.20±12.4

Gloss comparison Test condition: 45°ASTM D2457

Type	Gloss of PVC extruded sheet
1# CPA-80	56.6±1.2
2# CPE+PA "D"	55.7±1.3

Storage

The product should be stored in cool and dry surroundings.

The shelf life is two years, it can be still used if qualified by inspection after shelf life.

Package

25kg/bag with PP bag and PE inner or Kraft paper bag.

550kg/bag Woven bag.

For 20 container, we can load 14mt with pallets or 16mt without pallets.

For 40 container, we can load 26mt with pallets or 27/28mt without pallets.