

HL-750 AIM Impact Modifier

1. Product Introduction

HL-750 is an acrylic impact modifier with a core-shell structure, designed to enhance the impact strength and weather resistance of PVC products. This product is suitable for PVC pipe fittings and other applications

2. Product Advantage

- High impact strength
- Promotes plasticization of PVC, improve processability
- High weather resistance
- Good dimensional stability

3. Technical Specifications

Indicator	Unit	Text standard	HL-505
Appearance	--	--	White powder
Bulk density	g/cm ³	GB/T 1636	0.45±0.10
Residue on sieve (30 mesh)	%	RK/PG-05-001	≤2.00
Volatile Content	%	RK/PG-05-003	≤1.00

4. Production Performance Testing

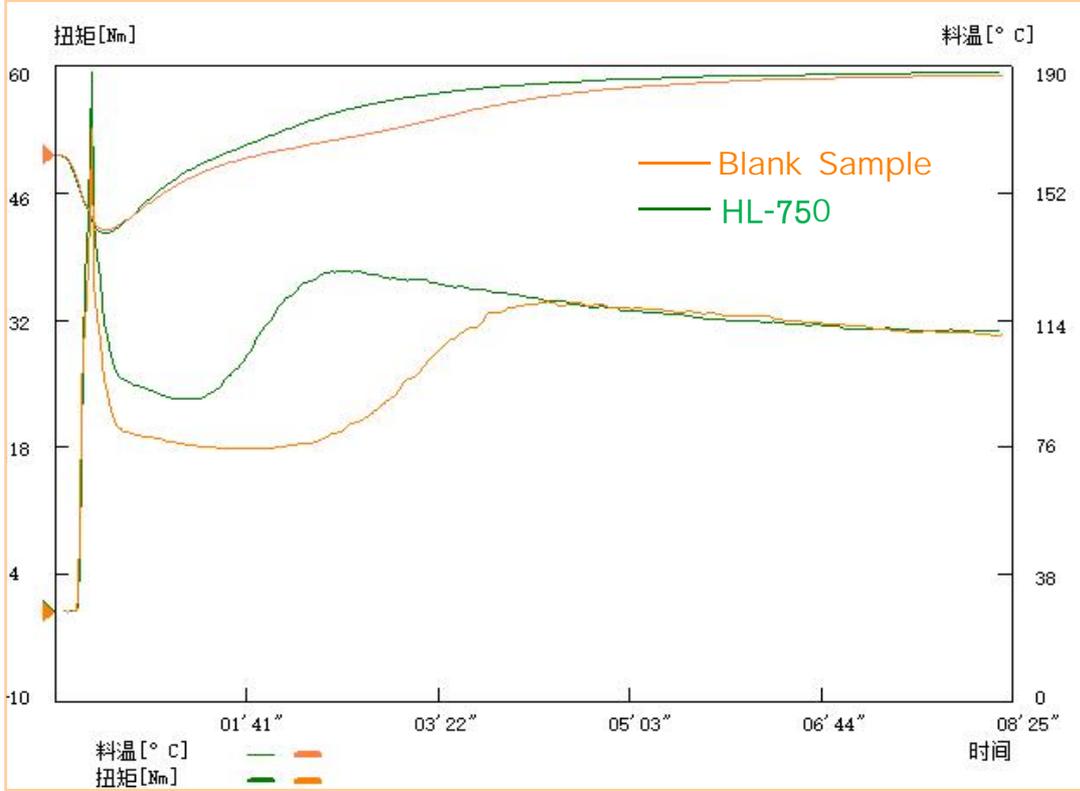
4.1 Test Formulation

PVC (K-65), 100.0 phr; Light calcium carbonate, 15.0 phr; Ca-Zn stabilizer, 4.5 phr; Stearic acid, 0.1 phr; Polyethylene wax, 0.2 phr; Rutile titanium dioxide, 5.0 phr; Test sample, 5.0 phr



4.2 Processing performance test

Test condition: 160°C 60rpm



5. Product Applications

HL-750 is mainly used for outdoor PVC products, such as PVC pipe fittings, PVC door and window profiles, PVC fences, PVC panels and flooring, and PVC boards..

6. Packaging and Storage

25 kg per package or as per customer requirements.

During transportation and handling, the product should be kept clean and protected from sunlight, rain, high temperatures, and moisture to prevent damage to the packaging. It should be stored in a cool, dry place, away from direct sunlight, with a temperature below 40°C. The storage period is two years. After two years, the product can still be used if it passes performance testing.