



RUIFENGPOLY™ LP-40D

Acrylic Processing Aid

Product Description

LP-40D is a processing aid based on a high molecular weight acrylic copolymer, the industry standard for foamed PVC, efficiently improving the quality and processability of cellular PVC products by reducing foam density and increasing impact strength, surface quality, and uniformity. LP-40D modifier promotes a wide processing window, providing the flexibility to limit the number of processing aids for various applications.

Physicochemical Properties

LP-40D is White free-flowing powder, bulk density:0.40-0.55g/cm³, can not be dissolved in water, ethanol, can be dissolved in chloroform and methyl ethyl ketone.

Index/Product Name	LP-40D
Appearance	White free-flowing powder
Particle size 40 mesh(%)	≥ 98
volatiles(%)	≤ 1.0
Viscosity (η) (Ubbelohde Viscometer)	6.0-7.5

Product Benefits and Application

- ◆ Promote gelation of PVC, Improve hot-melt strength and viscoelasticity, stabilize the microcells generated by blowing agents to achieve the low density and high strength of the foam. Increase the surface quality of PVC products.
- ◆ Better dispersion of additives into PVC, more homogenous melt of PVC, etc. LP-40D has been used in weatherable applications and is widely used in PVC building products.
- ◆ LP-40D is mainly used in PVC profiles, foam pipes, foam profiles, foam sheets, wood-plastic composites, etc.

Material Safety Data Sheets

MSDS are available outlining hazards and safe handling methods. consult Ruifeng for MSDS of LP-40D before handling for additional information concerning personal protective equipment, Safety, Health and Environmental.

Storage, Packing & Transportation

LP-40D Packed in 25kg woven bag or 500kg bulk bag. Avoid insolation, drench. Stored in cool and draughty place, shelf life: one year.

Countertypes

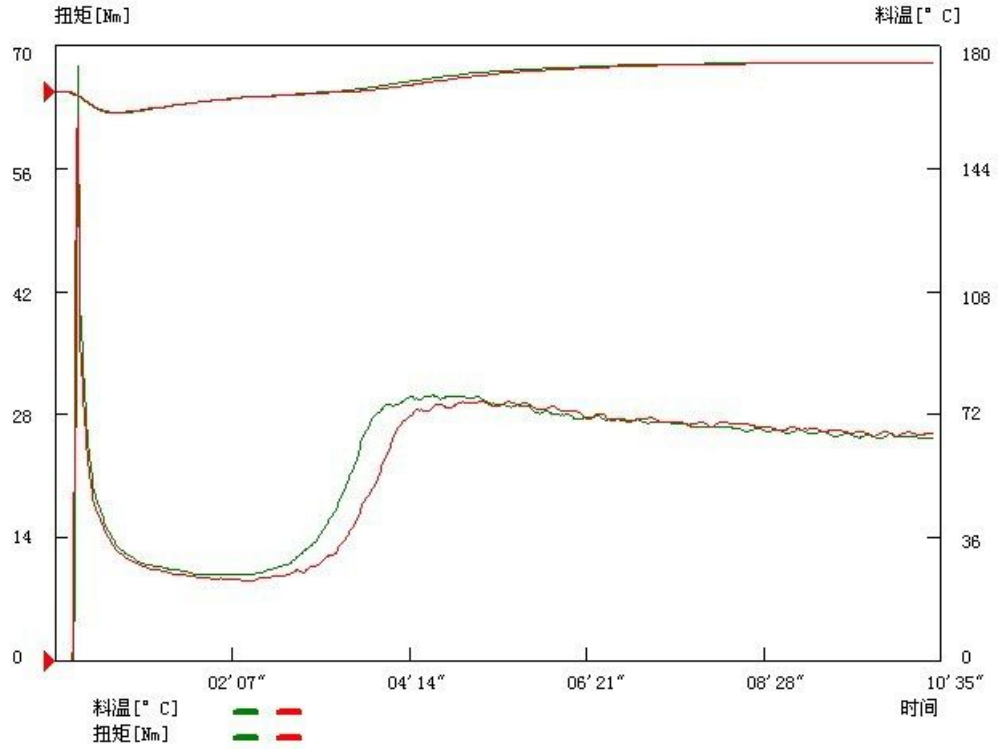
K-400



数据叠加实验报告

哈普电气 // HAPRO Electric

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实验结果

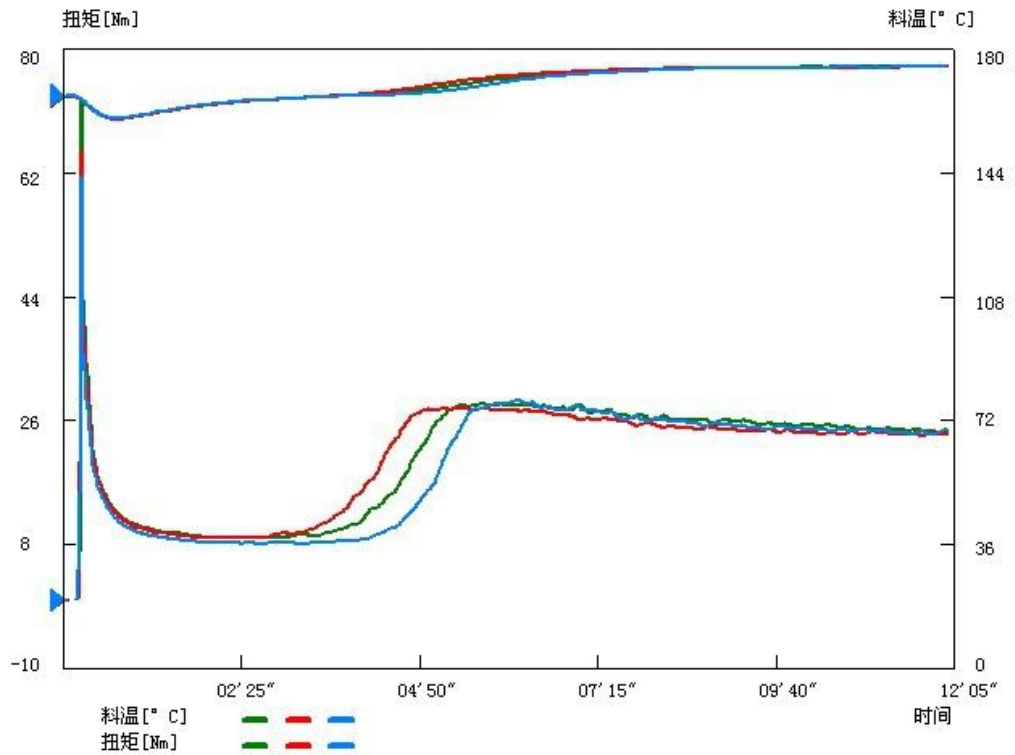
	样品	质量 [g]	实验条件				
			T1 [° C]	T2 [° C]	T3 [° C]	料温 [° C]	转速 [rpm]
0	LP-40L		165.0	164.9	165.4	166.3	42.0
1	K-400		165.0	164.9	165.1	166.5	42.0



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实验结果

	样品	质量 [g]	实验条件				
			T1 [° C]	T2 [° C]	T3 [° C]	料温 [° C]	转速 [rpm]
0	LP-40L		165.0	165.0	165.5	166.0	42.0
1	LP-40D		164.9	164.9	165.1	166.1	42.0
2	P-533J		164.9	164.8	165.5	166.5	42.0