

Solid Acrylic Resin PChem[®] BM44D

1. BM44D is a thermoplastic solid acrylic resin with excellent weatherability, unique hardness, and flexibility.
2. BM44D is easily soluble in many organic solvents such as ketones, esters, long-chain fatty alcohol and aromatic hydrocarbons, and also has good compatibility with other film forming resins such as cellulose, epoxy resin, vinyl resin and other acrylic resin.
3. Thanks to the excellent compatibility with PVDF resin, BM44D can enhance the phase's stability, dryness and pigment dispersion for PVDF resin. With its outstanding performance of adhesion on metal substrates (especially at post-baking process), BM44D is widely used in baking-type fluorocarbon coatings (PVDF coatings).

	Item	Value	Unit	Test method
Specifications	Appearance	Pellet		
	Glass transition temperature (Tg)	60	°C	ASTM D-3418
	Molecular weight (Mw)	100,000	g/mol	ASTM D-3593
	Inherent viscosity (IV)	0.40		ASTM D-2857
	Acid value	≤ 2.0	mgKOH/g	ISO-3682
	Moisture content	≤ 0.5	%	ISO-3251

◆ Packaging and storage

1. Packed in composite paper bag with inner plastic bag, 25kg net.
2. Store in cool, dry and ventilated place where the fire and organic solvents are prohibited.
3. Shelf life: 3 years, capable of further use after passing QC inspection.
4. Transport as non-dangerous material.

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