

Technical Information



ALTUGLAS™ BS 580

Overview

ALTUGLAS® BS 580 is a methyl-methacrylate based copolymer available in the form of spherical particles (solid beads). ALTUGLAS® BS 580 offers a good balance of properties in terms of solubility, fluidity and thermal resistance. Thanks to its good compatibility with many resins and solvents, ALTUGLAS® BS 580 can be used as an additive or a binder in a broad range of applications such as Unsaturated Polyester Curable Resins (UPR), acrylic composites, flooring and solvent coatings.

Use of ALTUGLAS® BS 580 as a base resin for the production of acrylic Masterbatch compounds is also recommended.

Physical	Nominal Value (English)	Nominal Value (SI)
Apparent (Bulk) Density	0.70 g/cm ³	0.70 g/cm ³
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	5.0 g/10 min	5.0 g/10 min
Intrinsic Viscosity	0.48 to 0.50 dl/g	0.48 to 0.50 dl/g
Acid Value	< 1.00 mg KOH/g	< 1.00 mg KOH/g
Mean Particle Size	5.9 to 14.8 mil	150.0 to 375.0 µm
Viscosity		
Solvent (30%w MMA)	900 mPa·s	900 mPa·s
Solvent (30%w MEK)	500 mPa·s	500 mPa·s
Volatiles	< 1.5 %	< 1.5 %
Thermal	Nominal Value (English)	Nominal Value (SI)
Glass Transition Temperature	219 °F	104 °C
Additional Information	Nominal Value (English)	Nominal Value (SI)
Residual Monomer	< 0.35 %	< 0.35 %

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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