

Technical Information



ALTUGLAS™ BS 520B

Overview

ALTUGLAS® BS 520B is a methyl-methacrylate based copolymer of medium molecular weight, available in the form of spherical particles (solid beads). ALTUGLAS® BS 520B is highly recommended as component in low profile additives for Unsaturated Polyester Curable Resins. It can also be used as binder in solvent coating.

ALTUGLAS® BS 520B is also typically used in mineral acrylic composite (solid surface, acrylic stone).

ALTUGLAS® BS 520B can be used as base resin for the production of acrylic masterbatch compound.

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)	1.5 g/10 min	1.5 g/10 min
Intrinsic Viscosity	0.59 to 0.62 dl/g	0.59 to 0.62 dl/g
Acid Value	< 1.00 mg KOH/g	< 1.00 mg KOH/g
Mean Particle Size	5.1 to 13.8 mil	130.0 to 350.0 µm
Viscosity		
Solvent (30%w MMA)	2.50 Pa·s	2.50 Pa·s
Solvent (30%w MEK)	1.40 Pa·s	1.40 Pa·s
Solvent (30%w STYR)	0.900 Pa·s	0.900 Pa·s
Volatiles	< 1.5 %	< 1.5 %
Thermal	Nominal Value (English)	Nominal Value (SI)
Glass Transition Temperature	225 °F	107 °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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