

Technical Information



ALTUGLAS™ R-Life BS 550 CR80

Overview

ALTUGLAS™ R-Life BS 550 CR80 is a methylmethacrylate based copolymer available in the form of spherical particles (solid beads). ALTUGLAS™ R-Life BS 550 CR80 offers a unique high solubility / high fluidity combination. Another specific interest is that it is made from recycled methylmethacrylate monomer.

Highly compatible with many resins and solvents, ALTUGLAS™ R-Life BS 550 CR80 is good candidate of choice for applications such as inclusion, Acrylic composites, Acrylic Floor Coating and Solvent Coatings. Other applications requesting the utilisation of recycled materials may be considered.

Thanks to its high fluidity, ALTUGLAS™ R-Life BS 550 CR80 is the recommended grade to make acrylic Masterbatches by compounding.

Physical	Nominal Value (English)	Nominal Value (SI)	
Apparent (Bulk) Density	0.70 g/cm³	0.70 g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	24 to 30 g/10 min	24 to 30 g/10 min	
Intrinsic Viscosity	0.45 to 0.50 dl/g	0.45 to 0.50 dl/g	
Acid Value	< 1.00 mg KOH/g	< 1.00 mg KOH/g	
Mean Particle Size	5.9 to 13.8 mil	150.0 to 350.0 µm	
Viscosity			
Solvent (30%w MMA)	410 mPa·s	410 mPa·s	
Solvent (30%w MEK)	210 mPa·s	210 mPa·s	
Volatiles	< 1.5 %	< 1.5 %	
Thermal	Nominal Value (English)	Nominal Value (SI)	
Glass Transition Temperature	190 °F	88.0 °C	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Refractive Index	1.489	1.489	ASTM D542
Additional Information	Nominal Value (English)	Nominal Value (SI)	
Residual Monomer	< 0.50 %	< 0.50 %	

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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