

PRODUCT INFORMATION

ACRYLITE® Resist AG 100

Product Profile:

ACRYLITE® Resist AG 100 is an amorphous thermoplastic molding compound, based on impact-modified polymethyl methacrylate (PMMA).

ACRYLITE® molding compounds have the following typical properties:

- · high weather resistance
- · excellent transmission and clarity
- · brilliant appearance
- · low weight
- 100% recyclable
- pleasant feel and sound of molded parts

ACRYLITE® Resist AG 100 is characterized by the following additional properties:

- · highest breaking strength and impact strength
- improved resistance to stress cracking
- · balanced property profile
- clear reduction of reversible haze at very high and low temperatures
- increased heat deflection temperature under load
- AMECA listing, CAMPUS and moldflow data available

Application:

ACRYLITE® Resist AG 100 has a balanced property profile and is used for extruding and coextruding sheets and profiles as well as for injection molding.

Examples:

Automotive frontend lighting covers, e.g. fog lamps, turning lights, signature and decorative lights, and other auxiliary lamps, emblems, cover for frontend sensor fields, special luminaires.

Processing:

ACRYLITE® Resist AG 100 can be processed by injection molding of parts or by sheet extrusion and coextrusion. ACRYLITE® Resist AG 100 can be injection-molded on processing machines with a standard three-section screw for engineering thermoplastics in one-

Physical Form / Packaging:

ACRYLITE® Resist molding compounds are supplied as pellets of uniform size in 25kg polyethylene bags or 500kg boxes with PE lining. Other types of packaging are available on request.

For more information:

For more information, e.g. Charts or lists of resistance are in the database CAMPUS® (http://www.campusplastics.com) free of charge.

Properties:

Parameter	Unit	Standard	ACRYLITE® Resist AG 100
1 mm/min	MPa	ISO 527	2200
50 mm/min	MPa	ISO 527	55
50 mm/min	%	ISO 527	5
	%	ISO 527	45
23°C	kJ/m²	ISO 179/1eU	120
B / 50	°C	ISO 306	105
	°C	ISO 11357	112
0.45 MPa	°C	ISO 75	105
1.8 MPa	°C	ISO 75	100
0 - 50°C	E-5 /°K	ISO 11359	11
1.5 mm	Class	IEC 60695-11-10	HB
230°C / 3,8kg	cm³/10min	ISO 1133	1,1
d=3 mm			
D65	%	ISO 13468-2	91
	%	ASTM D1003	0,7
589nm/23°C		ISO 489	1,49
	g/cm³	ISO 1183	1.16
saturation, 23°C	%	ISO 62	1,5
23°C / 50%	%	ISO 62	0,5
	°C		70 - 80
			3 - 4
	h		
	°C		235 - 270
	1 mm/min 50 mm/min 50 mm/min 50 mm/min 23°C B / 50 0.45 MPa 1.8 MPa 0 - 50°C 1.5 mm 230°C / 3,8kg d=3 mm D65 589nm/23°C	1 mm/min MPa 50 mm/min MPa 50 mm/min %	1 mm/min MPa ISO 527 50 mm/min MPa ISO 527 50 mm/min % ISO 527 50 mm/min % ISO 527 23°C kJ/m² ISO 179/1eU B / 50 °C ISO 306 B / 50 °C ISO 306 C ISO 11357 0.45 MPa °C ISO 75 1.8 MPa °C ISO 75 1.5 mm Class IEC 60695-11-10 230°C / 3,8kg cm³/10min ISO 1133 d=3 mm D65 % ISO 13468-2 % ASTM D1003 589nm/23°C % ISO 489 g/cm³ ISO 1183 saturation, 23°C % ISO 62 23°C / 50% % ISO 62

All listed technical data are typical values intended for your guidance. They are given without obligation and do not constitute a materials specification.

Certified to ISO 9001:2015. ISO 14001:2015 and IATF 16949:2016.

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