Plexiglas® Satinice df33 zk6BR

Polymethyl Methacrylate Acrylic

Evonik Industries AG

Message:

PLEXIGLAS® Satinice df33 zk6BR, based on PLEXIGLAS® Resist zk6BR, is an impact modified molding compound characterized by diffuse scattering of light.
Typical properties of impact modified PLEXIGLAS® molding compound are
high break resistance and impact strength
improved resistance to stress cracking
good weather resistance
high surface hardness and mar resistance
the pleasant feel and sound of the moldings.
Extruded parts from PLEXIGLAS® Satinice df33 zk6BR are characterized by the following special properties:
excellent light diffusion combined with excellent light transmission
semi-gloss surfaces
touch and fingerprint resistant.
Application:
Used for (Co-) extruding profiles and sheets for the construction, furniture and automotive industry, but also for injection molding items for lighting engineering applications.
Examples:
applications that call for light diffusion combined with optimum transmission and velvet matt surface appearance is desired.

General Information	
Additive	Impact Modifier
Features	Good Surface Finish
	Good Weather Resistance
	High Clarity
	High Hardness
	High Impact Resistance
	High Scratch Resistance
	Impact Modified
	Medium Gloss
	Soft
Uses	Automotive Applications
	Construction Applications
	Furniture
	Lighting Diffusers
	Profiles
	Sheet
Appearance	Matte Finish
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/3.8 kg)	1.40	cm³/10min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	45.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Nominal Tensile Strain at Break	25	%	ISO 527-2
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	99.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	96.0	°C	ISO 75-2/A
Vicat Softening Temperature	99.0	°C	ISO 306/B50
CLTE - Flow (0 to 50°C)	9.2E-5	cm/cm/°C	ISO 11359-2
Flammability	**Nominal Value**	**Unit**	**Test Method**
Glow Wire Ignition Temperature	700	°C	IEC 60695-2-13
Optical	**Nominal Value**	**Unit**	**Test Method**
Transmittance [1]	67.0	%	ISO 13468-2
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Half-Value Angle	36.0	°	DIN 5036
Scattering Power	0.490		DIN 5036
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	< 85.0	°C	
Drying Time	2.0 to 3.0	hr	
Melt Temperature	230 to 260	°C	
Die Temperature	230 to 260	°C	
NOTE			
1.	D65		

Recommended distributors for this material

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WECHAT