+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Product Information

PLEXIGLAS® Satinice df22 zk30

Product Profile:

PLEXIGLAS® Satinice df22 zk 30 is an amorphous, impact-modified thermoplastic molding compound.

Typical properties of impact modified PLEXIGLAS® molding compounds are:

- high weather resistance
- excellent transmission and clarity
- brilliant appearance
- the pleasant feel and sound of the moldings.

PLEXIGLAS® Satinice df22 zk30 is characterized by the following special properties:

- good light diffusion combined with excellent light transmission
- matte surfaces can be obtained by varying the extrusion parameters
- good break resistance and impact strength
- improved resistance to stress cracking
- balanced property profile

Application:

PLEXIGLAS® Satinice df22 zk 30 is used for injection molding as well as for extruding and coextruding panels and profiles.

Examples:

Displays, extruded and injection molded luminaire covers, extruded hollow profiles, writing utensils, housings, coextruded profiles for window frames, gutters, downspouts, and houseware such as cutlery handles, bowls, cookie jars, etc.

Processing:

PLEXIGLAS® Satinice df22 zk30 molding compound can be processed on machines with 3-zone general purpose screws for engineering thermoplastics.

Physical Form / Packaging:

PLEXIGLAS® Satinice df22 zk30 molding compound is supplied as pellets of uniform size in 25kg PE-bags or 500kg octabins.

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Properties:

	Parameter	Unit	Standard	PLEXIGLAS® Satinice df22 zk30
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	2200
Yield Stress	50 mm/min	MPa	ISO 527	54
Yield Strain	50 mm/min	%	ISO 527	4.3
Nominal Strain @ Break		%	ISO 527	23
Charpy Impact Strength	23°C	kJ/m²	ISO 179/1eU	33
Charpy Notched Impact Strength	23°C	kJ/m²	ISO 179/1eA	3.1
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	102
Glass Transition Temperature		°C	ISO 11357	112
Temp. of Deflection under Load	0.45 MPa	°C	ISO 75	103
Temp. of Deflection under Load	1.8 MPa	°C	ISO 75	101
Coeff. of Linear Therm. Expansion	0 - 50°C	E-5 /°K	ISO 11359	9.6
Flammability UL 94	1.5 mm	Class	IEC 60695-11-10	HB**
Rheological Properties				
Melt Volume Rate, MVR	230°C / 3.8kg	cm³/10min	ISO 1133	1.1
Optical Properties	d=3 mm			
Luminous transmittance	D65	%	ISO 13468-2	86
Half-Value Angle		°	DIN 5036	11
Other Properties				
Density		g/cm³	ISO 1183	1.16
Recommended Processing Conditions				
Predrying Temperature		°C		< 85
Predrying Time in Desiccant-Type Drier		h		2 - 3
Melt Temperature		°C		220 - 250
Mold Temperature (Injection Molding)		°C		50 - 70

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.

RÖHM