Enpact® 122U

Enpact® 122U is a high flow multi purpose U.V. stabilized grade and contains a release agent to ensure easy processing. Is indicated for small ans intricate parts. Is available in transparent, translucent and opaque colours

Properties	Test method	Unit	Value
Melt flow index (300°C/1,2kg)	ISO 1133	ml/10 min	22
Mass density (23°C)	ISO 1183	g/cm³	1.2
Tensile strength (50 mm/min, yield)	ISO 527	MPa	63
Tensile strength (50 mm/min, break)	ISO 527	MPa	70
Tensile elongation (50 mm/min)	ISO 527	%	120
Flexural strength (2 mm/min)	ISO 178	MPa	90
Flexural modulus (2 mm/min)	ISO 178	GPa	2.4
Izod impact strength (23°C Notched)	ISO 180/4A	kJ/m²	60
Charpy impact strength (23°C Notched)	ISO 179	kJ/m²	60
Vicat softening temp. (1 kg,50 °C/hr)	ISO 306	°C	148
Vicat softening temp. (5 kg,50 °C/hr)	ISO 306	°C	143
Heat distortion temp. (1.8 MPa unannealed)	ISO 75/A	°C	127
Heat distortion temp. (1.8 MPa annealed)	ISO 75/A	°C	142
Coefficient of linear thermal expansion	ISO 11359	-	6.0~8.0x10-5
Flammability (UL-94)	-	-	3.0mm V-2
Refractive index (Procedure A)	ISO 489	-	1586

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Properties	Test method	Unit	Value
Haze for transparent materials (3 mm)	ISO 14782	%	<0.8
Luminous transmittance (clear transparent materials) (1 mm)	ISO 13468-2	%	89
Luminous transmittance (clear transparent materials) (2 mm)	ISO 13468-2	%	89
Luminous transmittance (clear transparent materials) (3 mm)	ISO 13468-2	%	88
Luminous transmittance (clear transparent materials) (4 mm)	ISO 13468-2	%	87
Mold shrinkage	ISO 294-4	%	0.5~0.7

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