

PRODUCT DESCRIPTION

PC-022URL1 is a high melt flow rate polycarbonate obtained by melt polycondensation of diphenyl carbonate and bisphenol A.

This grade exhibits anti-UV formulation, high stiffness, excellent impact strength and good flow characteristics, transparency, good mold release.

TYPICAL APPLICATIONS

PC-022URL1 is using for the manufacture of products by injection molding. Optical lenses, ceiling lamps, compounds, packaging application, general purpose and articles in contact with food.

Properties	Conditions	Method	Typical values*	Units
Rheology				
Melt Flow Rate	1,2 kg; 300 °C	ISO 1133	22	g/10 min
Mechanical				
Izod Impact Strength (Notched)	1A «type 1»	GOST 19109 (Based on ISO 180)	70	kJ/m ²
Flexural Modulus	1,3 mm/min	GOST 9550 (Based on ISO 178)	2300	MPa
Tensile Stress at Break	50,0 mm/min	GOST 11262 (Based on ISO 527)	62	MPa
Thermal				
Vicat Softening Point	10 N; 50 °C/h	GOST 15088 (Based on ISO 306)	147	°C
Optical				
Haze	Plaque 3,2 mm	GOST R 8.829 (Based on ASTM D1003)	0.3	%
Light transmittance	Plaque 3,2 mm	GOST R 8.829 (Based on ASTM D1003)	90	%
Color				
Yellow index	Spectrophotometer	CIELAB	1.0	units