Suyuan Polymers
Plastic Raw Materials

Website: suyuanplastics.com
Email: suyuan1888@gmail.com
Phone: +86 13715669646

Polycarbonate

PC FR2820T

Wanhua Chemical, Yantai

Features High transparency, medium flow, halogen-free flame retardant grade.

Applications Electrical and electronic applications, transparent equipment, flame-retardant components for indoor lighting and automotive applications.

Property	Condition	Method	Value	Unit
Physical Properties				
Density	—	ASTM D792	**1.2**	g/cm³
Shrinkage	—	ASTM D955	**0.5-0.7**	%
Melt Mass-Flow Rate	300 °C / 1.2 kg	ASTM D1238	**11**	g/10min
Mechanical Properties				
Tensile Modulus	1.0 mm/min	ASTM D638	**2250**	MPa
Tensile Strength at Yield	50 mm/min	ASTM D638	**65**	MPa
Elongation at Break	50 mm/min	ASTM D638	**100**	%
Flexural Strength	2.0 mm/min	ASTM D790	**95**	MPa
Flexural Modulus	2.0 mm/min	ASTM D790	**2300**	MPa
Notched Izod Impact Strength	23 °C	ASTM D256	**650**	J/m
Optical Properties				
Light Transmittance	—	ASTM D1003	**89**	%
Haze	3000 μm	ASTM D1003	**0.8**	%
Thermal Properties				
Heat Deflection Temperature	Unannealed, 1.8 MPa, 3.2 mm	ASTM D648	**126**	°C
Vicat Softening Temperature	Unannealed, 120 °C/h, 50 N	ASTM D1525	**146**	°C
Electrical Properties				
Comparative Tracking Index	—	IEC 60112	**225**	V
Flammability				
UL Flammability Rating	3.0 mm	UL 94	**V-0**	—

Note: Data are for reference only and do not constitute guaranteed specifications. Suitability for the intended application should be verified by testing. Contact us for further technical information.