



XENYO™ Resin X5601WX

Americas: COMMERCIAL

Impact modified PBT+PC+PET, Heat aging improved XENYO

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	550	kgf/cm ²	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	450	kgf/cm ²	ASTM D 638
Tensile Strain, yld, Type I, 50 mm/min	5	%	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	93	%	ASTM D 638
Tensile Modulus, 50 mm/min	23300	kgf/cm ²	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	830	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	22500	kgf/cm ²	ASTM D 790
Tensile Stress, yield, 50 mm/min	53	MPa	ISO 527
Tensile Stress, break, 50 mm/min	50	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	4	%	ISO 527
Tensile Strain, break, 50 mm/min	118	%	ISO 527
Flexural Stress, yield, 2 mm/min	82	MPa	ISO 178
Flexural Stress, break, 2 mm/min	2142	MPa	ISO 178
IMPACT			
Izod Impact, notched, 23°C	83	cm-kgf/cm	ASTM D 256
Izod Impact, notched, -30°C	25	cm-kgf/cm	ASTM D 256
Instrumented Impact Total Energy, 23°C	560	cm-kgf	ASTM D 3763
Izod Impact, notched 80*10*4 +23°C	62	kJ/m ²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	18	kJ/m ²	ISO 180/1A
THERMAL			
Vicat Softening Temp, Rate B/50	131	°C	ASTM D 1525
HDT, 0.45 MPa, 3.2 mm, unannealed	124	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	101	°C	ASTM D 648



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THERMAL			
CTE, -40°C to 40°C, flow	7.04E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	7.16E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	7.04E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	7.16E-05	1/°C	ISO 11359-2
Vicat Softening Temp, Rate B/50	130	°C	ISO 306
Vicat Softening Temp, Rate B/120	132	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	98	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	1.23	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm (5)	1	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm (5)	1	%	SABIC Method
Melt Flow Rate, 266°C/5.0 kgf	14	g/10 min	ASTM D 1238
Density	1.22	g/cm ³	ISO 1183
Melt Volume Rate, MVR at 265°C/5.0 kg	14	cm ³ /10 min	ISO 1133