

Xenoy* Resin 9159U

Asia Pacific: COMMERCIAL

High heat, high impact polyester/polycarbonate alloy.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	55	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	100	%	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	89	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2240	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	747	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	110	°C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	121	°C	ASTM D 648
CTE, -40°C to 60°C, flow	9.72E-05	1/°C	ASTM E 831
PHYSICAL			
Specific Gravity	1.22	-	ASTM D 792
Water Absorption, 24 hours	0.14	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.6 - 0.9	%	SABIC Method



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PROCESSING PARAMETERS	TYPICAL VALUE	UNIT
Injection Molding		
Drying Temperature	120	°C
Drying Time	3 - 6	hrs
Drying Time (Cumulative)	12	hrs
Melt Temperature	255 - 275	°C
Mold Temperature	60 - 80	°C

