

# STAR PRIME™ Resins



Grade: PC/PBTQX7026, PC/PBTQX7026UV  
Molding Grade PC/PBT, w/ UV

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## Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.19	D792
Melt Flow (300°C/1.2 kg.)	18.0 g/10 min	D1238
<b>Mechanical</b>		
Tensile Modulus	250,000 psi	D638
Tensile Strength at Yield	7,100 psi	D638
Tensile Strength at Break	6,000 psi	D638
<b>Impact</b>		
Notched Izod Impact (73 °F, 0.125 in)	12.0 ft-lb/in	D256
Izod Impact, Notched Low Temp (-40 °F @ 0.125 in)	10.0 ft-lb/in	D256
<b>Thermal</b>		
DTUL @ 264 psi-unannealed (0.250 in)	205 °F	D648

The information provided above is based upon typical values, and are intended only as guides. Star Plastics, Inc./SDR Inc. assumes no obligation or liability for any advice furnished or for any results obtained with respect to this information. **No guarantees or warranties are expressed or implied.**

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## Recommended Processing Guidelines

	Nominal Values
Drying Time and Temperature	3.0 - 4.0 hrs at 250 - 280 °F
Suggested Max Moisture	0.020%
Rear Temperature	450 - 480 °F
Middle Temperature	460 - 490 °F
Front Temperature	460 - 490 °F
Nozzle Temperature	475 - 500 °F
Processing (melt) Temperature	475 - 500 °F
Mold Temperature	150 - 200 °F

The conditions listed above are only guidelines. You may want to adjust conditions to meet your requirements.

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