

STAR PRIME™ Resins



Grade: PC/ABSQX7014
Molding Grade PC/ABS

326 Jack Burlingame Dr, Millwood, WV 25262 USA
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Typical Material Properties

Physical	Nominal Values	ASTM Test
Specific Gravity	1.13	D792
Melt Flow (260 °C/5.0 kg)	20.0 g/10 min	D1238
Mechanical		
Tensile Modulus	330,000 psi	D638
Tensile Strength at Yield	8,100 psi	D638
Flexural Modulus	335,000 psi	D790
Flexural Strength at Yield	12,500 psi	D790
Impact		
Notched Izod Impact (73 °F, 0.125 in)	6.0 ft-lb/in	D256
Thermal		
DTUL @ 264 psi-unannealed (0.125 in)	230 °F	D648
Mold Shrinkage		
Linear Flow	.004 - .006 in/in	D955
Gloss (60°)	50	D523

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 180 - 230 °F
Suggested Max Moisture	0.020%
Rear Temperature	450 - 550 °F
Middle Temperature	475 - 550 °F
Front Temperature	475 - 575 °F
Nozzle Temperature	475 - 575 °F
Processing (melt) Temperature	475 - 575 °F
Mold Temperature	135 - 185 °F
Back Pressure	30 - 100 psi
Screw Speed	25 - 75 rpm

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

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