

# Orion™ Resins

Grade: PC/ABSQX7042

Molding Grade 5% Glass Filled PC/ ABS



## TYPICAL MATERIAL PROPERTIES

Physical	Nominal Values	ASTM Test
Specific Gravity	1.19	D792
Melt Flow (260°C/5.0 kg)	10.0 g/10 min	D1238
<b>Mechanical</b>		
Tensile Modulus	350,000 psi	D638
Flexural Modulus	340,000 psi	D790
<b>Impact</b>		
Notched Izod Impact (73 °F, 0.125 in)	8.0 ft-lb/in	D256
<b>Mold Shrinkage</b>		
Linear Flow	.004 - .006 in/in	D955

The information provided above is based upon typical values, and are intended only as guides. Star Plastics/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, 180 - 230°F
Suggested Max Moisture	0.020%
Rear Temperature	450 – 525°F
Middle Temperature	475 – 550°F
Front Temperature	475 – 550°F
Nozzle Temperature	475 – 550°F
Processing (Melt) Temperature	475 – 550°F
Mold Temperature	135 – 185°F
Back Pressure	20 – 100 psi
Screw Speed	25 – 75 RPM

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

Rev0

Technical Data Sheet  
StarPlastics.com

Access: 12/6/17

# Navigating Custom Compounds