

# STAR PRIME™ RESINS

Grade: PC7601 (f1)

Molding Grade PC FR w/ UV and Release, All Colors



## TYPICAL MATERIAL PROPERTIES

| Physical                             | Nominal Values          | ASTM Test |
|--------------------------------------|-------------------------|-----------|
| Specific Gravity                     | 1.20                    | D792      |
| Melt Flow (300°C/1.2 kg)             | 16.0 g/10 min           | D1238     |
| <b>Mechanical</b>                    |                         |           |
| Tensile Modulus                      | 340,000 psi             | D638      |
| Tensile Strength @ Yield             | 9,000 psi               | D638      |
| Flexural Modulus                     | 350,000 psi             | D790      |
| Flexural Strength @ Yield            | 14,000 psi              | D790      |
| <b>Impact</b>                        |                         |           |
| Notched Izod Impact (73 °F, 0.125)   | 14.0 ft-lb/in           | D256      |
| <b>Thermal</b>                       |                         |           |
| DTUL @ 264 psi-unannealed (0.125 in) | 260 °F                  | D648      |
| <b>Mold Shrinkage</b>                |                         |           |
| Linear Flow                          | .004 - .007 in/in       | D955      |
| <b>UL Rating (f1)</b>                |                         |           |
| Flammability                         | V-2 @ 1.5 mm, V-2 @ 3mm | UL 94     |
| RTI                                  | 125°C, 115°C, 125°C     | UL746B    |

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.*

\*STARPRIME™ is a registered trademark of Star Plastics Inc; SDR Plastics Inc, its subsidiaries or affiliates.

## RECOMMENDED PROCESSING GUIDELINES

|                               | Nominal Values   |
|-------------------------------|------------------|
| Drying Time and Temperature   | 4.0 hrs at 250°F |
| Suggested Max Moisture        | 0.020%           |
| Rear Temperature              | 520 – 550°F      |
| Middle Temperature            | 530 – 570°F      |
| Front Temperature             | 550 – 600°F      |
| Nozzle Temperature            | 550 – 600°F      |
| Processing (Melt) Temperature | 550 – 600°F      |
| Mold Temperature              | 170 – 220°F      |
| Back Pressure                 | 50 – 100 psi     |
| Screw Speed                   | 40 – 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: 7/6/18

# Navigating Custom Compounds