

Technical Data Sheet

Schuladur 1031850CT PC E-12672G C3 GRYGRY



Polybutylene Terephthalate

Product Description

PBT

Regulatory Status

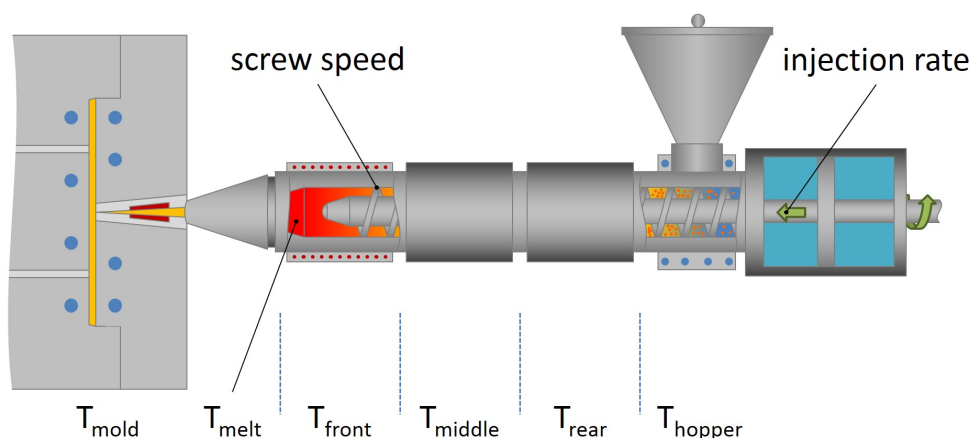
For regulatory compliance information, see 1031850CT PC E-12672G C3 GRYGRY [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status Commercial: Active

Availability North America

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (260 °C/2.16 kg, Procedure A)	10	g/10 min	ASTM D1238
Density - Specific Gravity	1.19	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (50 mm/min)	52.0	MPa	ASTM D638
Tensile Strength at Break, (50 mm/min)	0.827	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min)	2130	MPa	ASTM D790
Tensile Modulus, (50 mm/min)	1960	MPa	ASTM D638
Impact			
Notched Izod Impact	660	J/m	ASTM D256
Thermal			
Vicat Softening Temperature	145	°C	ASTM D1525
Deflection Temperature Under Load Unannealed (66 psi)	130	°C	ASTM D648



Injection Parameters	Nominal	Units
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Injection Parameters	Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	120 to 140	°C
Nozzle Temperature	235 to 255	°C
Processing (Melt) Temp	220 to 270	°C
Front Temperature	225 to 240	°C
Middle Temperature	225 to 240	°C
Rear Temperature	220 to 235	°C
Mold Temperature	<80	°C

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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