



# TexRes General Purpose Polystyrene

## TexCo Resin - General Purpose Polystyrene

### General Information

#### Product Description

General purpose polystyrene produced in pellet form for injection molding.

#### General

Features	<ul style="list-style-type: none"> <li>• Good Flow</li> <li>• High Clarity</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• General Purpose</li> </ul>
Forms	<ul style="list-style-type: none"> <li>• Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	417000	psi	ASTM D638
Tensile Strength (Break)	6300	psi	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.30	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	74		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	190	°F	ASTM D648
Vicat Softening Temperature	209	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		Internal Method