

Plaslube® PE 5900

 Techmer Polymer Modifiers - *Polyethylene*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> Lubricant
Features	<ul style="list-style-type: none"> Lubricated
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.970		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	145000	psi	ASTM D638
Tensile Strength (Yield)	3100	psi	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.9	ft-lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	410 to 480	°F
Middle Temperature	410 to 480	°F
Front Temperature	410 to 480	°F
Nozzle Temperature	410 to 480	°F
Processing (Melt) Temp	420 to 480	°F
Mold Temperature	100 to 120	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate	

Notes

¹ Typical properties: these are not to be construed as specifications.

