

HiFill® PP 0109 S2 LE WT282

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> Low Extractables
Appearance	<ul style="list-style-type: none"> White
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.7	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	324000	psi	ASTM D638
Tensile Strength (Yield)	4700	psi	ASTM D638
Tensile Strength (Break)	3600	psi	ASTM D638
Tensile Elongation (Break)	28	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.50	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Rear Temperature	440 to 480	°F
Middle Temperature	450 to 500	°F
Front Temperature	460 to 500	°F
Nozzle Temperature	450 to 490	°F
Processing (Melt) Temp	475 to 535	°F
Mold Temperature	45 to 65	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

Injection Notes

Drying - Not Required

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