

Plaslube® TPX-HTN-04015 S UV BK
 Techmer Polymer Modifiers - *Polyphthalamide*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Carbon Fiber
Additive	• Lubricant • UV Stabilizer
Features	• Lubricated • UV Stabilized
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3 to 0.010	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2.90E+6	psi	ASTM D638
Tensile Strength (Yield)	17000	psi	ASTM D638
Tensile Strength (Break)	16500	psi	ASTM D638
Tensile Elongation (Break)	0.60	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.90	ft·lb/in	ASTM D256

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	550 to 590	°F
Middle Temperature	560 to 600	°F
Front Temperature	570 to 610	°F
Nozzle Temperature	580 to 620	°F
Processing (Melt) Temp	560 to 626	°F
Mold Temperature	200 to 300	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Moderate	

Notes

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

