

HiFill® TPE AD60A UV Black

 Techmer Polymer Modifiers - *Thermoplastic Elastomer*
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"> UV Stabilizer
Features	<ul style="list-style-type: none"> UV Stabilized
Appearance	<ul style="list-style-type: none"> Black
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
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.015	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	800	psi	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ASTM D2240

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	390 to 410	°F
Middle Temperature	410 to 430	°F
Front Temperature	425 to 445	°F
Nozzle Temperature	455 to 475	°F
Processing (Melt) Temp	420 to 475	°F
Mold Temperature	105 to 150	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 100	psi
Screw Speed	Moderate	

