

Ultradur® B 4520 BK00110

	General Inf	fo		
	General Ini	rormation		
Product Description				
	um viscosity, pigmented black, rapidly fr	eezing injection molding g	rade.	
General	O manus anni al Antina			
Material Status	Commercial: Active			
Availability	North America			
Additive	Lubricant			
Features	 Lubricated 	 Medium Viscosity 		
Uses	 Appliances 	 Housings 		
Agency Ratings	• EC 1907/2006 (REACH)			
RoHS Compliance	 RoHS Compliant 			
Automotive Specifications	• FORD WSB-M4D636-A2	 GM QK 006511 R C Black 	olor: 00110	IMDS ID 1379570 Color: 00110 Black
Appearance	Black			
Forms	• Pellets			
Processing Method	Injection Molding			
	ASTM & ISO	Properties ¹		
Physical		Nominal Value	Unit	Test Method
Density		1.30	g/cm³	ISO 1183
Water Absorption (Saturation, 73°F)		0.50	%	ISO 62
Water Absorption (Equilibrium, 73°F	F, 50% RH)	0.25	%	ISO 62
Viscosity Number (Reduced Viscosi	ty)	119.0	ml/g	ISO 1628
Mechanical		Nominal Value	Unit	Test Method
Tensile Modulus (73°F)		348000	psi	ISO 527-2
Tensile Stress (Yield, 73°F)		8270	psi	ISO 527-2
Tensile Strain (Yield, 73°F)		3.5	%	ISO 527-2
Nominal Tensile Strain at Break (73	°F)	15	%	ISO 527-2
Flexural Modulus (73°F)		363000	psi	ISO 178
Impact		Nominal Value	Unit	Test Method

Notched Izod Impact Strength			ISO 180
-40°F	2.0	ft·lb/in²	
73°F	2.3	ft·lb/in²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	270	°F	ISO 75-2/B
Heat Deflection Temperature (264 psi, Unannealed)	131	°F	ISO 75-2/A
Melting Temperature (DSC)	433	°F	ISO 3146
RTI Elec			UL 746
0.030 in	266	°F	
0.06 in	266	°F	
0.11 in	266	°F	



Charpy Notched Impact Strength (73°F)

2.4 ft·lb/in²

ISO 179

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BASF Corporation - Polybutylene Terephthalate

Thermal	Nominal Value	Unit	Test Method
RTI Imp			UL 746
0.030 in	266	°F	
0.06 in	266	°F	
0.11 in	266	°F	
RTI Str			UL 746
0.030 in	284	°F	
0.06 in	284	°F	
0.11 in	284	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in	НВ		
0.06 in	НВ		
0.11 in	НВ		

Notes

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