

**DUREPOL A3 G25 FR PRTA010 BT348****Product Description**

Flame Retardant, 25% Glass Fiber, Polybutylene Terephthalate

**General Considerations**

Resin ID (ISO 1043)	· PBT
Additive	· Flame Retardant
Processing	· Injection Molding                      · Extrusion
Color	· Black

- The information below is for information purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Mold Shrinkage		%	ASTM D 955
Normal	0,3 to 1,0		
Water Absorption		%	ASTM D 570
Equilibrium (23°C)	0,1 to 0,2		

Mechanical	Value	Unit	Method
Tensile Strength	140	MPa	ASTM D 638
Elongation at Break	2,5	%	ASTM D 638
Tensile Modulus	11000	MPa	ASTM D 638
Flexural Strength	12000	MPa	ASTM D 790
Izod Notched Impact Strength		J/m	ASTM D 256
23°C	95		

Thermal	Value	Unit	Method
Melting Point	220	°C	--
Heat Deflection Temperature		°C	ASTM D 648
0,45 MPa	220		
1,80 MPa	210		
Vicat Softening Temperature		°C	ASTM D 1525A
10 N	215		

Flammability	Value	Unit	Method
Flame Rating	V-0	--	UL 94

Electrical	Value	Unit	Method
Surface Resistivity	1E15	ohm	IEC 60093

Process	Value	Unit	Method
Molding Process Temperature	230 to 250	°C	--
Mold Temperature	60 to 120	°C	--
Drying	80 to 120 /4 to 6	°C/Hours	--

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