

Razin™ Engineering Plastics		Quality Management System	
Form Code: TE-F01.00	No.:K126	<b>Product Information</b>	

## Razadur® K126

Razadur K126 is a general purpose injection molding grade black color polybutylene terephthalate (PBT) resin with heat stabilizer. It combines good strength, stiffness and toughness as well as excellent processability as well as heat, chemical, and electrical resistance.

Properties	Test Method	Unit	Value
<b>Physical</b>			
Density	ASTM D 792	g/cm <sup>3</sup>	1.3
Water Content	ASTM D 570	%	0.1
Linear Mold Shrinkage	ASTM D 955	%	1.4

<b>Mechanical</b>			
Tensile Strength, Yield	ASTM D 638	MPa	60
Elongation at Break	ASTM D 638	%	8
Flexural Strength	ASTM D 790	MPa	85
Flexural Modulus	ASTM D 790	MPa	2900
Izod Impact, Notched	ASTM D 256	KJ/m <sup>2</sup>	4.5
@ 23 °C			
@ -30 °C			3.5

<b>Thermal</b>			
Melting Point	ASTM D 3418	°C	225
Deflection Temperature Under Load	ASTM D 648	°C	145
@ 0.46 MPa			
@ 1.8 MPa			60
Vicat Softening point	ASTM D 1525	°C	175
50N, 50°C/hr			

<b>Processing</b>						
Drying:						
	Drying Time:	2 – 4 hr		Drying Temperature	90 - 110 °C	
Injection Molding:						
Item	Rear Temp (°C)	Middle Temp (°C)	Front Temp (°C)	Melt Temp (°C)	Mold Temp (°C)	Inj. Pressure (Mpa)
Min	230	230	230	245	30	50
Max	260	260	260	250	120	120

The data contained in this publication are based on our current knowledge and experience. In view of the many actors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.

Razin™ Engineering Plastics

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