

NORYL™ EZ250 resin

Polyphenylene Ether + PS

SABIC Innovative Plastics

Message:

Automotive wheel covers. Offers superior processability/flow and better chemical resistance when exposed to many automotive fluids over PX0844.

General Information			
Features	Good Chemical Resistance		
	Good Processability		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	Internal Method
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	44.8	MPa	ASTM D638
Tensile Elongation ² (Break)	40	%	ASTM D638
Flexural Modulus ³ (100 mm Span)	2000	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 100 mm Span)	68.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	130	J/m	
23°C	290	J/m	
Instrumented Dart Impact			ASTM D3763
-40°C, Energy at Peak Load	33.9	J	
23°C, Energy at Peak Load	39.5	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	127	°C	
1.8 MPa, Unannealed, 6.40 mm	113	°C	
Injection	Nominal Value	Unit	
Drying Temperature	104 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Suggested Max Moisture	0.020	%	
Suggested Shot Size	30 to 70	%	
Rear Temperature	243 to 293	°C	
Middle Temperature	254 to 299	°C	

Front Temperature	266 to 304	°C
Nozzle Temperature	277 to 304	°C
Processing (Melt) Temp	277 to 304	°C
Mold Temperature	71.1 to 98.9	°C
Back Pressure	0.345 to 0.689	MPa
Screw Speed	20 to 100	rpm
Vent Depth	0.038 to 0.051	mm

NOTE

- | | |
|----|-------------------|
| 1. | Type I, 50 mm/min |
| 2. | Type I, 50 mm/min |
| 3. | 2.6 mm/min |
| 4. | 2.6 mm/min |

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