

PULSE™ B-270

PC/ABS Engineering Resin

Trinseo

Message:

PULSE™ B-270 is a PC/ABS Engineering Resin product. It is available in Latin America or North America. Typical application: Automotive.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.65	%	ASTM D955
Water Absorption			ASTM D570
23°C, 24 hr	0.050	%	
Equilibrium, 23°C ¹	0.18	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	59.9	MPa	
Break	51.4	MPa	
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength (Yield)	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-29°C, 3.20 mm	110	J/m	
23°C, 3.20 mm	370	J/m	
Instrumented Dart Impact			ASTM D3763
-29°C, 3.20 mm, Total Energy	56.5	J	
23°C, 3.20 mm, Total Energy	56.5	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	134	°C	ASTM D648
CLTE - Transverse	6.3E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	98.9	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	277 to 293	°C	
Mold Temperature	71.1 to 93.3	°C	
NOTE			
1.	Test performed on parts.		

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