

## Geon™ Vinyl Flexible B65T0 Flexible Polyvinyl Chloride

## **Key Characteristics**

General			
Material Status	Commercial: Active		7
Regional Availability	<ul><li> Africa &amp; Middle East</li><li> Asia Pacific</li></ul>	<ul><li>Europe</li><li>North America</li></ul>	South America
Features	Medium Gloss		
Forms	Pellets		
Processing Method	Extrusion	<ul> <li>Injection Molding</li> </ul>	

Technical Properties 1

	100111110ai i 10poi aioc		
Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.22	1.22	ASTM D792
Molding Shrinkage - Flow	0.019 to 0.023 in/in	1.9 to 2.3 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (100% Strain)	500 psi	3.45 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Break)	1350 psi	9.31 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	460 %	460 %	ASTM D638
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tear Strength <sup>3</sup>	170 lbf/in	30 kN/m	ASTM D624
Compression Set (73°F (23°C), 22.0 hr)	30 %	30 %	ASTM D395
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore A, 15 sec	61	61	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Brittleness Temperature	-65.0 °F	-53.9 °C	ASTM D746

**Processing Information** 

i rooccomg information				
Injection	Typical Value (English)	Typical Value (SI)		
Processing (Melt) Temp	370 to 390 °F	188 to 199 °C		
Extrusion	Typical Value (English)	Typical Value (SI)		
Melt Temperature	335 to 345 °F	168 to 174 °C		

## **Notes**

Copyright ©, 2008 PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the Information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the Information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the Information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the Information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the Information and/or use or handling of any product. Poll-YONE MAKES NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the Information or products reflected by the Information. This data sheet shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.

<sup>&</sup>lt;sup>1</sup> Typical values are not to be construed as specifications.

<sup>&</sup>lt;sup>2</sup> 20 in/min (510 mm/min)

<sup>&</sup>lt;sup>3</sup> Die C, 20 in/min (510 mm/min)

## **CONTACT INFORMATION**

Americas

Argentina - Buenos Aires +0054 11 4200 5917

Brasil - Campinas +55 19 3206 0561 Canada - Mississauga +1 905 673 1213

Canada - St Remi de Napierville +1 450 454 8010

Colombia - Bogota D.C. +57 1 622 1844

Mexico - Toluca +52 722 2790200 United States - Avon Lake +1 440 930 1000

City, + 86 (0) 769 8587 8800

Europe China - HouJie Town, DongGuan

Belgium - Assesse +32 (0) 83 660 211

Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas 33587 Walker Road

Avon Lake, Ohio 44012 **United States** 

+1 440 930 1000 +1 866 POLYONE PolyOne Asia

No. 88 Guoshoujing Road Z.J Hi-tech Park, Pudong Shanghai, 201203, China +86 (0) 21 5080 1188

PolyOne Europe

2 Rue Melville Wilson 5330 Assesse, Belgium +32 (0) 83 660 211

Copyright ©, 2008 PolyOne Corporation. PolyOne makes no representations, guarantees, or warranties of any kind with respect to the Information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the Information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the Information. PolyOne makes no warranties or guarantees respecting suitability of either PolyOne's products or the Information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the Information and/or use or handling of any product. Poll-YONE MAKES NO WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the Information or products reflected by the Information. This data sheet shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.