



DOW AFFINITY™ Plastomers and Elastomers help your applications to flow faster, flex longer, stick better, breathe better and more. The AFFINITY™ product line combines high flow with low crystallinity, offering you opportunities to achieve improved performance, processing and value in flexible packaging, hot melt adhesives and other applications.

| PROPERTY | ASTM Method | EG 8100G | EG 8200G | GA 1875 | GA 1900 | GA 1950 | KC 8852G | PF 1140G | PF 1146G | PL 1280G | PL 1840G | PL 1850G | PL 1880G | PL 1881G | PL 1888G | PT 1450G1 |
|------------------------------------|-------------|------------|-----------|--------------------|--------------------|--------------------|------------------------------|----------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Processing Method | --- | Blown Film | Cast Film | --- | --- | --- | Blown Film | Blown Film | Blown Film | Cast Film | Blown Film | Blown Film | Blown Film | Blown Film | Blown Film | Extrusion Coating |
| Typical Applications | --- | General | General | Hot Melt Adhesives | Hot Melt Adhesives | Hot Melt Adhesives | Industrial Package Collation | Packaging Film | Packaging Film | Packaging Sealant | Packaging Sealant | Packaging Sealant | Packaging Sealant | Packaging Sealant | Packaging Sealant | Packaging Sealant |
| Density, g/cc | D792 | 0.870 | 0.870 | 0.870 | 0.870 | 0.874 | 0.875 | 0.897 | 0.899 | 0.900 | 0.909 | 0.902 | 0.902 | 0.904 | 0.904 | 0.902 |
| Melt Index, g/10 min. 190°C/2.16kg | D1238 | 1 | 5 | 1250 | 1000 | 500 | 3 | 1.6 | 1 | 6 | 1.0 | 3 | 1 | 1 | 1 | 7.5 |
| DSC Melting Point, °C | Dow Method | 55 | 63 | 70 | 68 | 70 | 68 | 96 | 95 | 96 | 106 | 98 | 99 | 100 | 98 | 98 |
| Vicat Softening Temp, °C | Dow Method | 43 | 45 | N/A | N/A | N/A | 48 | 77 | 78 | 81 | 95 | 85 | 86 | 86 | 85 | 77 |
| Contains Slip Agent | --- | No | No | No | No | No | No | No | Yes | No | No | No | No | Yes | Yes | No |
| Contains Antiblock Agent | --- | No | No | No | No | No | No | No | Yes | No | No | No | No | Yes | Yes | No |
| Contains Process Aids | --- | No | No | No | No | No | No | No | Yes | No | No | No | No | No | Yes | No |

Common Applications



Meat & Cheese Packaging



Fresh-Cut Produce Packaging



Dry Food Packaging



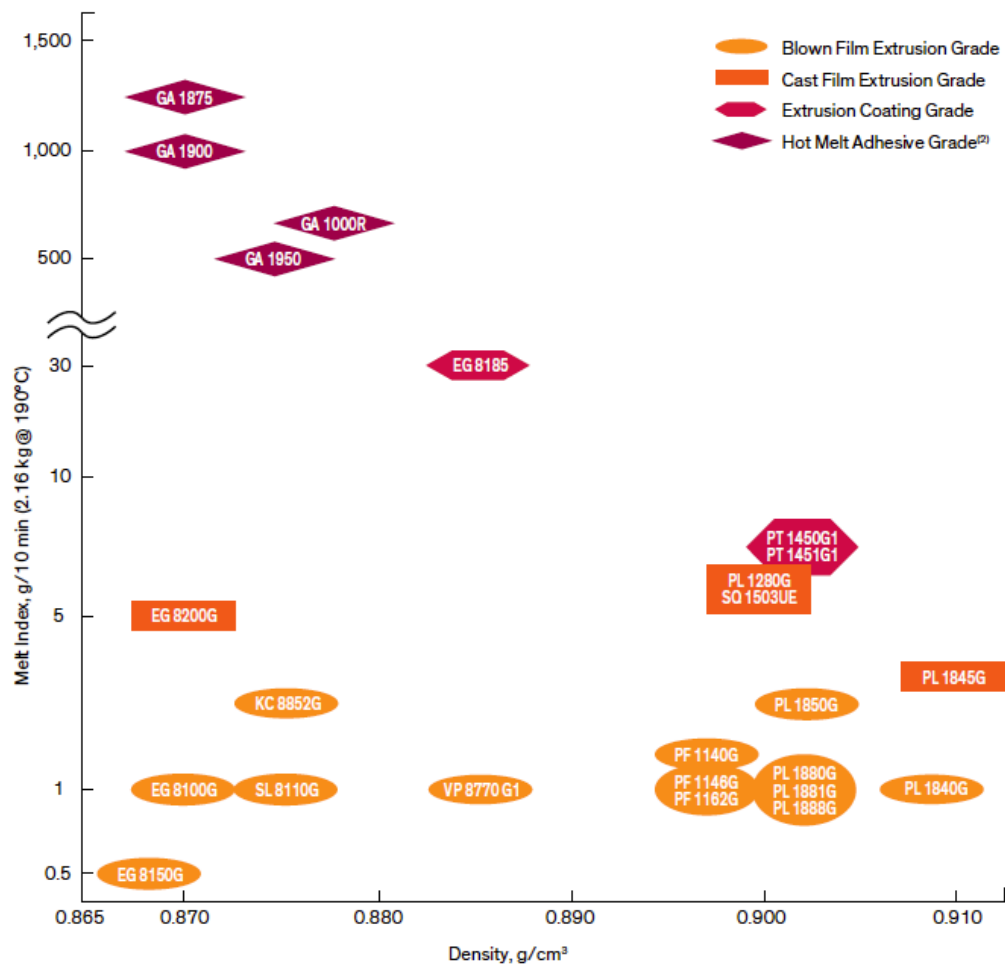
Flowable Material Pouches



Hot Melt Adhesives

[®]TM Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

Figure 1: AFFINITY™ Polyolefin Plastomer and Polyolefin Elastomer Products⁽¹⁾

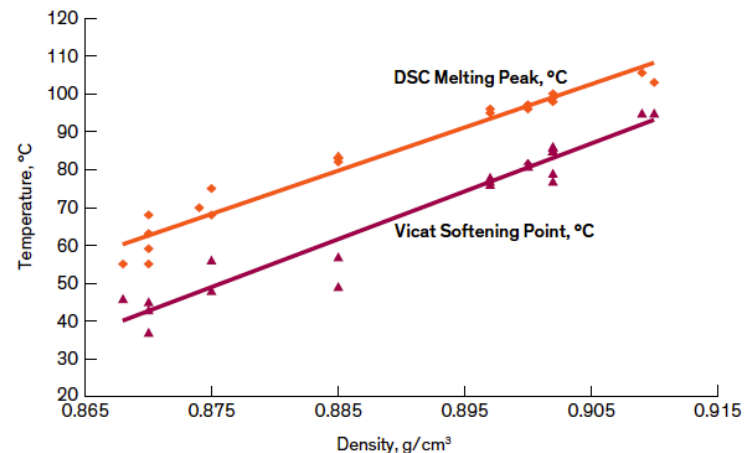


All grades are commercialized AFFINITY™ POP or POE products.

⁽¹⁾Typical properties; not to be construed as specifications. Users should confirm results by their own tests.

⁽²⁾AFFINITY™ GA POE melt index values are approximate; points are outside normal testing range.

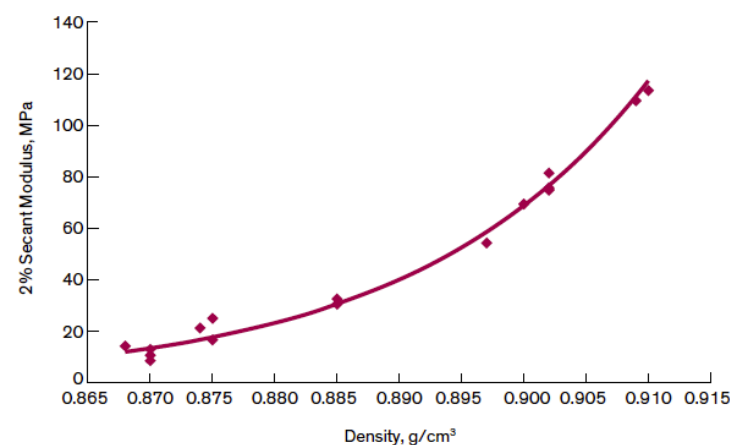
Figure 2: AFFINITY™ POPs and POEs — DSC Melting Peak and Vicat Softening Point vs. Density^(1,2)



⁽¹⁾Data per tests conducted by Dow. Test protocols and additional information available upon request. Properties shown are typical, not to be construed as specifications. Users should confirm results by their own tests.

⁽²⁾Dow Method. Test protocols and additional information available upon request.

Figure 3: AFFINITY™ POPs and POEs — 2% Secant Modulus vs. Density^(1,2)



⁽¹⁾Data per tests conducted by Dow. Test protocols and additional information available upon request. Properties shown are typical, not to be construed as specifications. Users should confirm results by their own tests.

⁽²⁾Dow Method. Test protocols and additional information available upon request.

®™ Trademark of The Dow Chemical Company (“Dow”) or an affiliated company of Dow

5/30/2023 The information presented in this document was prepared from information of the resin product presented. The information is believed to be accurate and reliable. However, Entec Polymers, LLC and its affiliates do not warrant the accuracy and reliability of the information presented, including without limitation, any errors, omissions, or the results obtained. ENTech DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE. The customer shall use its own independent skill and expertise in the evaluation of the resin product to determine suitability for a particular application and accept the results at its sole risk.