


TOPAS® COC Benefits in Packaging



TOPAS® COC is an amorphous, high-Tg polyolefin that can be used to enhance polyethylene performance without sacrificing recyclability. Below are some of the ways that TOPAS® can modify polyethylene in packaging.

<p>High Stiffness</p> <p>TOPAS® grades for packaging have a modulus 2-3x that of HDPE. This makes it ideal for giving stand up pouches a premium look and feel.</p> <p>TOPAS® Modulus</p>	<p>Recyclability</p> <p>Up to 20% TOPAS® COC in PE film has achieved APR critical guidance recognition. TOPAS naturally bonds to PE and does not need compatibilizers.</p> <p>TOPAS® Sustainability</p>	<p>Heat Resistance</p> <p>High-Tg TOPAS® grades can prevent films from sticking to heat seal bars. TOPAS retains its physical properties even as the temperature approaches its Tg.</p> <p>TOPAS® High Temp Modulus</p>
<p>Easy Tear</p> <p>The rigidity of TOPAS® COC greatly enhances films' MD and TD easy tear and the cutting performance of LLDPE films.</p> <p>TOPAS® Easy Tear</p>		<p>High Clarity</p> <p>The exceptional clarity of TOPAS® resins reduces the haze of multilayer films, especially as a cap layer for HDPE layers.</p> <p>TOPAS® Packaging Optics</p>
<p>Barrier Properties</p> <p>TOPAS® rivals the best HDPE resins in MVTR, and it is an outstanding chemical barrier to polar molecules.</p> <p>TOPAS® Moisture Barrier</p>	<p>Sealing Performance</p> <p>TOPAS® blended with LLDPE increases seal strength, and it increases the hot tack in LLDPE and plastomer resins by 2-3x.</p> <p>TOPAS® Heat Seal Enhancement</p>	<p>Crisp Thermoforming</p> <p>TOPAS® layers in PE based thermoforming films add crisp pocket definition and improve the material distribution.</p> <p>TOPAS® Thermoforming</p>

To learn more about how TOPAS® COC improves packaging performance visit [TOPAS.com](https://www.topas.com) and use the [Contact Us](#) page to get in touch with a TOPAS® or Daicel HPP representative.

Contact Information

Websites: <https://www.daicel.com> & <https://www.topas.com/>

EMEA Email: info@topas.com

Americas Email: americas.info@hpp.daicel.com