

Extrusion Multilayer Capabilities




- Virgin Polymer
- Adhesive
- EVOH Barrier layer
- Regrind

Looking for multilayer PCR capabilities?
Soft Touch? Gloss? Check out Silgan Plastics' multilayer capabilities.

Multilayer Features

Multilayer Benefits

BDS machine are tri-layer capable	<ul style="list-style-type: none"> • Easy availability of machines and processing options without need for capital investment (90% are tri-layer capable)
Shuttle heads with bi-layer or tri-layer capabilities	<ul style="list-style-type: none"> • Can run from 2 to 10 parisons depending on machine and bottle size on approximately 13 multilayer heads. • Some heads are limited in layer configuration options (i.e. can only run the inner and outer layers)
Soft Touch	<ul style="list-style-type: none"> • Provides unique to bottle by skinning with a layer of PP material • Can run bi-layer or tri-layer configurations • Normal run 5% natural skin layer of Soft Touch material (PP) • Can run on shuttle equipment with multilayer head and either BDS G1 (8-cavity) or G2 (16-cavity) equipment
Ultra-Gloss	 <ul style="list-style-type: none"> • Provides unique texture and glossy appearance for additional shelf appeal • Can run bi-layer or tri-layer configurations • Can run on shuttle equipment with multilayer heads or on either BDS G1 (8-cavity) or G2 (16-cavity) • If color is required in outer layer for aesthetics we recommend running a 20% skin layer to weld lines and streaking which is more prevalent in pearl colors • If no color is required in the outer later, the skin later can be reduced to 10% for cost savings
Tri-Layer or Bi-Layer	 <ul style="list-style-type: none"> • Allows customers to utilize PCR for sustainability claims and may allow for color cost savings • Can be run on shuttle equipment with multilayer head and the majority of BDS lines • Can achieve average PCR content of 55% - 60% • For BDS run a tri-layer bottle with a 20% / 60% / 20% layer configuration • For shuttle run a tri-layer bottle with 15% / 70% / 15% layer configuration • 20% outer layer is recommendation to cover imperfections running a 20% skin layer to avoid weld lines and streaking which is more prevalent in pearls colors • Can run different color configurations for color savings or light barrier properties
Nylon Barrier	 <ul style="list-style-type: none"> • Provides superior barrier capabilities against Hydrocarbons • Can run on BDS only • Run with nylon layer .004"-.005" (HDPE / Adhesive / Nylon) • Regrind cannot be used
Window-Stripe	 <ul style="list-style-type: none"> • Allows consumes to view product volume • Can run window-stripe on BDS G1 (8-cavity) molds down to 4oz or on Shuttle heads equipped for view stripe
Metallacine Materials	<ul style="list-style-type: none"> • Provides customers with a glossy appearance for shelf appeal • Can run on multilayer shuttle equipment only

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