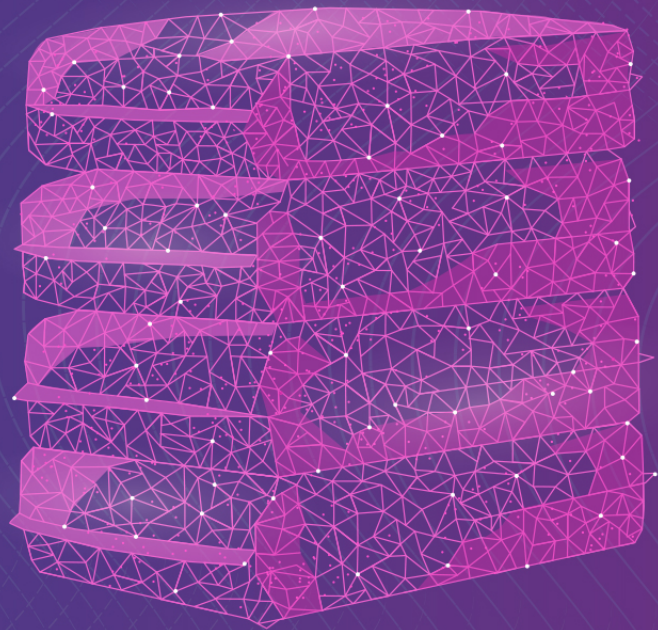


ExxonMobil

| Heavy duty sacks

Extreme performance heavy duty sacks – redefining the future

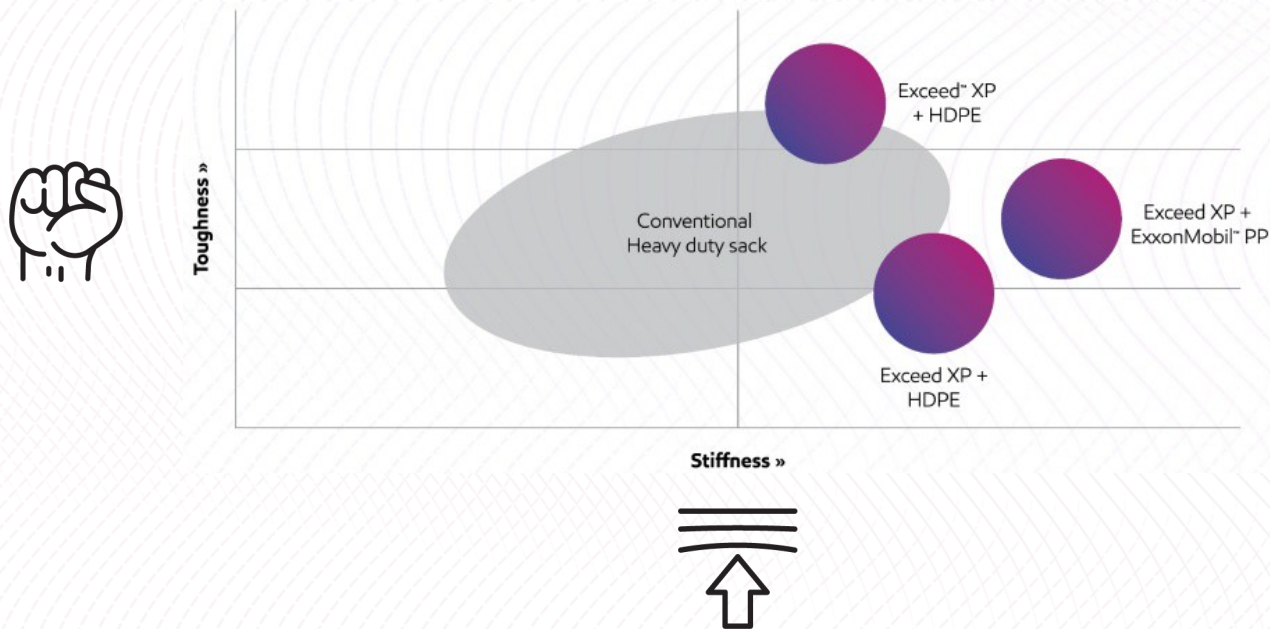
**The HDS
of the future**



**Stiff, tough
and thin**

**Extreme
heat resistance**

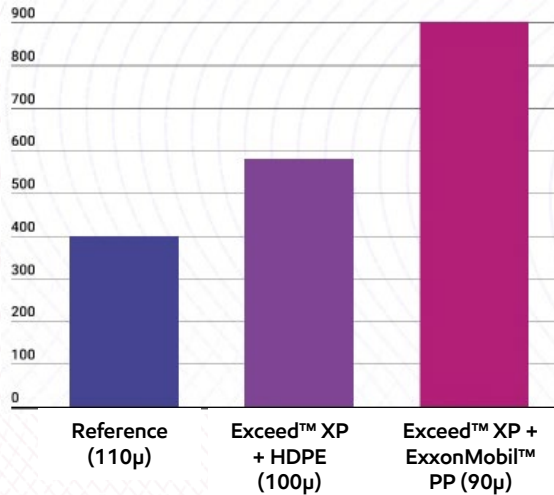
Exceed™ XP performance PE polymers blend synergy leads to optimum stiffness, toughness and balance



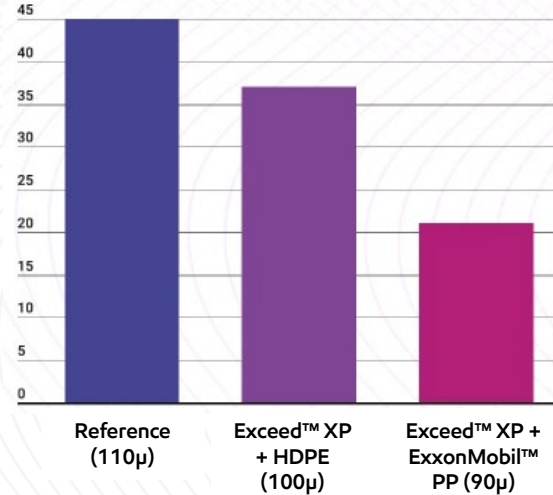
The HDS of the future

Resin bag (up to 25 kg)

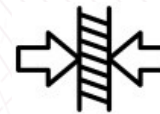
Dart impact (g)



TD creep (%)



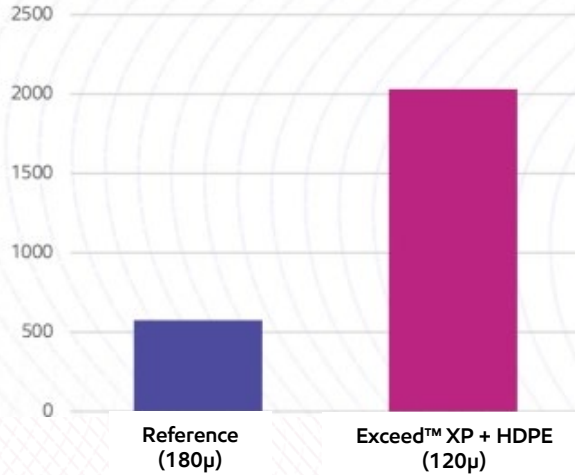
Excellent impact and creep balance:
up to 16% down gauge



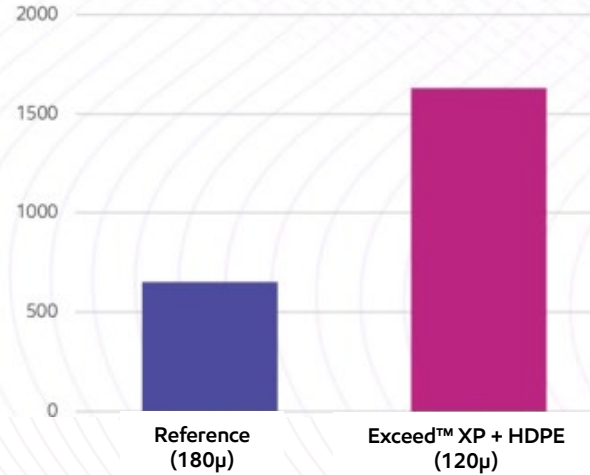
Stiff, tough and thin

Fertilizer bag

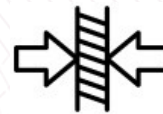
Dart impact (g)



MD tear (g)

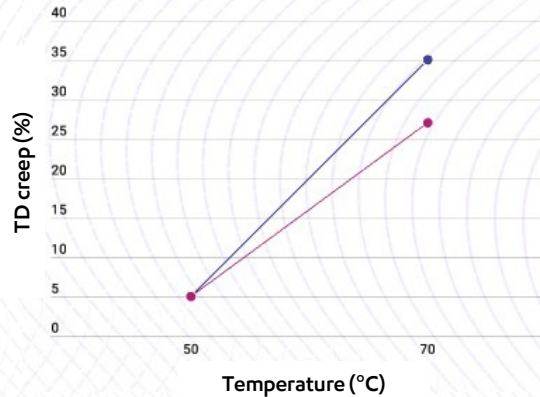


Step out toughness:
up to 33% down gauge



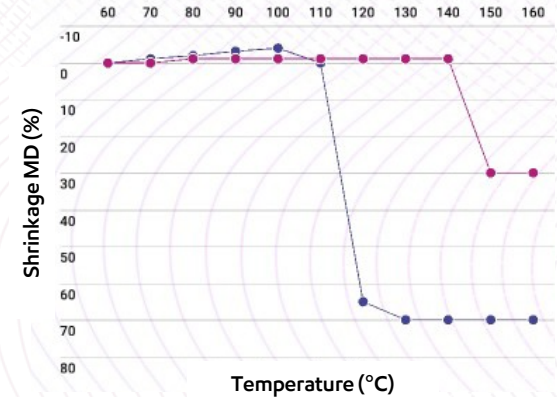
Extreme heat resistance

Exceed™ XP performance PE polymers + ExxonMobil™ PP solution



- Pure PE solution (100μ)
- Exceed™ XP and ExxonMobil™ PP (90μ)

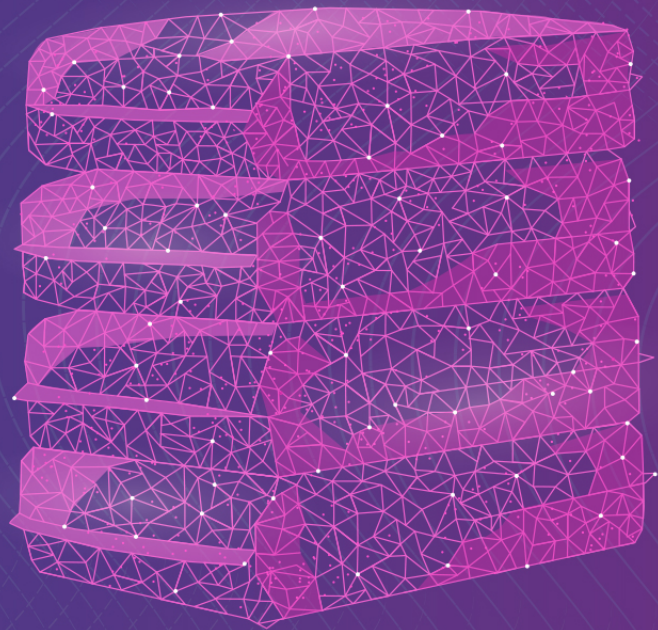
140°C
No deformation
or shrink



The ability to fill without cooling is one of
the keys to unlocking new markets.



**The HDS
of the future**



**Stiff, tough
and thin**

**Extreme
heat resistance**

Test	Test method based on
Tensile	ExxonMobil test method based on ASTM D882
Dart impact	ExxonMobil test method based on ASTM D-1709
Elmendorf tear	ExxonMobil test method based on ASTM D-1922-09
Creep	ExxonMobil test method
Retramat	ExxonMobil test method based on ISO 14616



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