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Enhanced automotive applications

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Jayflex™ DINP offers the optimal balance of processability and performance for your automotive applications.

By creating opportunities for cost savings and improved performance of automotive products, Jayflex DINP is a cost-effective substitute for DOP in many flexible PVC applications.

Key advantages

- Significant cost savings (lower plasticizer density)
- Increased plasticizer retention (lower volatility)
- Reduced costs (more stable viscosity)

Significant cost savings (lower plasticizer density)

Alternatively, the lower density of Jayflex DINP allows the amount of filler to be increased, thereby reducing the formulation cost.

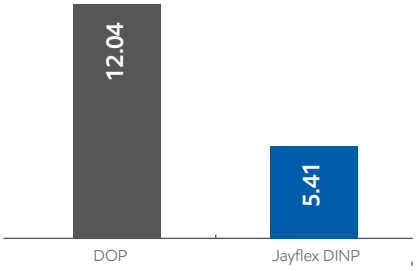
Raw Material	Density (g/cm³)	Formulation A (phr)	Formulation B (phr)
EPVC	1.4	100	100
DOP	0.986	100	0
DINP	0.974	0	104
Filler	2.7	100	107.8
Formulation	Density (g/cm³)	1.4294	1.4294

To explore your formulation possibilities, please contact your local ExxonMobil Sales Representative.

Increased plasticizer retention (lower volatility)

Due to its higher molecular weight, Jayflex DINP is discernibly less volatile than DOP, which means lower plasticizer evaporation during the gelation/fusion process and lower plasticizer loss during the product lifecycle. Consequently, Jayflex DINP can help you improve the performance of your automotive products — from less cracking and fogging to better aging and longer service life.

Percentage of neat plasticizer weight loss
(after 24h at 155°C forced ventilated oven)



Source: TSR 2015-048
Test Method: Based on ASTM D2288

Reduced costs (more stable viscosity)

Jayflex™ DINP provides superior viscosity stability compared to DOP — consequently requiring less frequent addition of viscosity depressants and remixing time to maintain plastisol viscosity. As a result, the superior viscosity stability of Jayflex DINP can help reduce your costs and improve production efficiency.*

Test Method : Brookfield Viscosity Test, based on ASTM D1824 / based on GB/T 12004; condition: temperature 23C. RPM and Spindle No# based on specific formulation and application.

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Contact us for more information:
www.exxonmobilchemical.com

*Besides plasticizer type, other factors — including, but not limited to, type and dosage of PVC, filler, etc. — could also impact plastisol viscosity stability.

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