

PAXON™ HDPE SP5504 Copolymer

NEXEO PLASTICS Material Code: 16136845

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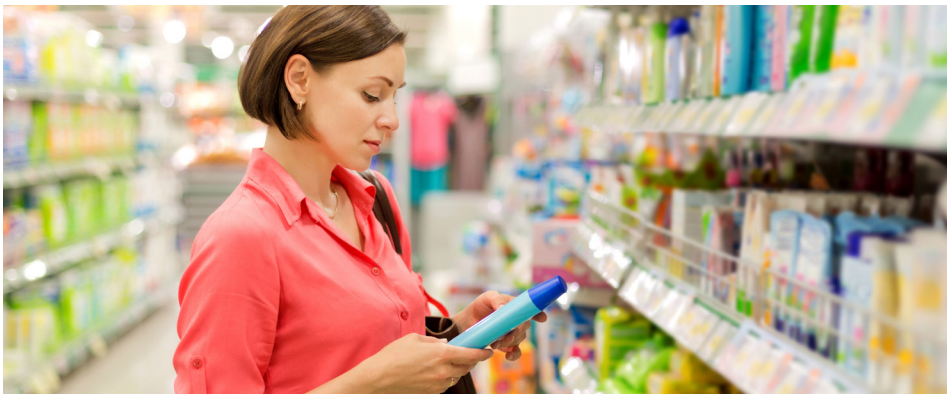


GENERAL INFORMATION

The unique development of ExxonMobil PAXON™ HDPE SP5504 – processes similarly or better than conventional unimodal HDPE in blow molding applications.

When looking for a step change in performance or a step in the right direction – ExxonMobil PAXON™ HDPE SP5504 can deliver the improved processing and down gauge potential. **This superior performance resin is available only from ExxonMobil.**

Application Example



Exxonmobil PAXON™ HDPE SP5504 offers the ability to reduce product SKU's, leading to processing cost efficiencies when compared to competitive grades. ExxonMobil has completed test work in multiple applications including 10 liter F-Style bottles and oil bottles.

Physical and Chemical Properties	
Density	0.955 g/cm ³
Melt Index (190°C/2.16 kg)	0.35 g/10 min
Peak Melting Temperature	266°C
Vicat Softening Temperature	255 °C
Tensile Strength at Yield	4000 psi
Flexural Modulus -1% Secant (1.3 mm/min)	1200 MPa mm/min
Environmental Stress-Crack Resistance	180 hr (100% Igepal)
Durometer Hardness (Shore D, 15 sec)	59
Charpy Notched Impact Strength	
-4 °F (-20 °C)	2.6 ft-lb/in ²
73 °F (23 °C)	3.9 ft-lb/in ²

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End Markets

- Consumer Goods
- Healthcare
- Industrial and Electrical
- Packaging

Application Examples

- Blow Molding
- Food Packaging
- Personal Care
- Sheet Extrusion

Brief Material Description

This HDPE copolymer has remarkable stiffness allowing lightweighting possibilities. It enhances products without compromising strength.

Availability

Samples are available upon request.

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EXXONMOBIL-HDPE SP5504-Grades-OS
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