

# Nexxstar™ HDPE

## Nexxstar 02565

### Blown Film Resin

#### Description

Nexxstar 02565 is a bimodal HDPE grade designed to improve stiffness in Nexxstar™ Resin Formulations. It offers easy processing, excellent bubble stability, and good film rigidity combined with very good optical properties.

#### Applications

- Nexxstar™ Resin Formulations for high performance collation shrink packaging

Additive Package	Antiblock	Slip	Thermal Stabilizer
Nexxstar 02565	No	No	Yes

Resin Properties	Test Based On	Typical Value / Unit	
Melt Index	ASTM D 1238	2.5 g/10 min	
Density	ExxonMobil Method	0.965 g/cm <sup>3</sup>	
Peak Melting Temperature	ExxonMobil Method	135 °C	275 °F

#### Film Properties (@ thickness 25.4 µm (1 mil))

Tensile Strength at Break	MD	ASTM D 882	51 MPa	7423 psi
	TD		40 MPa	5769 psi
Elongation at Break	MD	ASTM D 882	774 %	
	TD		5 %	
1% Secant Modulus	MD	ASTM D 882	1020 MPa	147893 psi
	TD		1486 MPa	215496 psi
Dart Drop Impact Strength, F50		ASTM D 1709A	<46 g	
Elmendorf Tear Strength	MD	ASTM D 1922	12 g	
	TD		513 g	

1. 1.0 mil film blown with 'in' pocket extrusion at 3:1 BUR.

Nexxstar 02565 can - in principle - be used in food contact applications in all EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification documents for the specific grade of interest.

Revised June 2007