ExonMobil

Vistamaxx[™] 3020FL Performance Polymer

Product Description		Key Features			
Vistamaxx 3020FL is primarily composed of isotactic propylene repeat units with random ethylene distribution. It is produced using ExxonMobil's proprietary metallocene catalyst technology. The 'FL' designates this product passes ExxonMobil's test for film appearance with regard to gels, as needed for performance film applications ('A' rating).		 Suitable for a wide range of blown film and thermoforming applications where improved melt strength is desired. Can be blended with PP, PE and other polyolefins. Excellent toughness in terms of tear and puncture resistance with good processability for stretch hood cores. Good optical and sealing properties. Good organoleptic properties and may be used in food contact applications (see FDA and EU notes). Good chemical resistance to aqueous systems and non-hydrocarbon based fluids. RoHS compliant. 			
General					
Applications	Blown FilmCompounding	PolymeTherm	Polymer ModificationThermoforming		
Uses	 Compounding 	• Film	• Film •		jing
RoHS Compliance	 RoHS Compliant 				
Form(s)	 Pellets 				
District	The implicit of the second		The instant Male is		Test Deced Or
Physical		(English)		(SI)	
Density ²	0.074	g/till-	0.074	g/cm ⁻	ASTM D1303
	1.2	g/10 min	1.2	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) ² (230°C/2.16 kg)	5	g/ 10 min		g/1011111	Method
Ethylene Content	11	wt%	11	wt%	ExxonMobil Method
Hardness	Typical Value	(English)	Typical Value	(SI)	Test Based On
Durometer Hardness (Shore D)	29	(English)	29		ASTM D2240
Mechanical	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Stress at 100%	681	psi	4.70	MPa	ASTM D638
Tensile Stress at 300%	729	psi	5.03	MPa	ASTM D638
Tensile Strength at Yield	761	psi	5.25	MPa	ASTM D638
Tensile Strength at Break	> 2100	psi	> 14.5	MPa	ASTM D638
Tensile Set	49	%	49	%	ExxonMobil Method
Elongation at Yield	33	%	33	%	ASTM D638
Elongation at Break	> 800	%	> 800	%	ASTM D638
Flexural Modulus - 1% Secant	9470	psi	65.3	MPa	ASTM D790
					TID
Elastomers	Typical Value	(English)	Typical Value	(SI)	lest Based On
Iear Strength (Die C)	372	Ibt/in	65.1	kN/m	ASTM D624
Thermal	Typical Value	(English)	Typical Value	(51)	Test Based On
Vicat Softening Temperature	153	°F	67 0	°C	ExxonMobil
	155		07.0	0	Method



