Exxelor™ PE 1040 Polymer Resin

Ex/on	Μα	bil

Product Description		Key	Features			
Exxelor PE 1040 polymer resin is a maleix density polyethylene, produced by reactiv primarily designed to act as a coupling ac compounds, or as a coupling agent or tie polyethylene systems to ensure compatit the different layers.	c anhydride functionalized ve extrusion. It has been gent in filled polyethylene layer in multilayer pility and improve adhesic	d high Pe	 Performance enhancements in natural and mineral-filled: Improved mechanical properties. Improved notched Izod and Charpy impact strength. Reduced water absorption. Adhesion as a tie layer in polyethylene based multilayer tank systems. 			
This grade is designed to:						
 Function as a coupling agent betwee as natural and mineral fillers and hig improve mechanical properties. Achieve compatibility and adhesion polyethylene and polyamide. Function as a tie layer in multilayer to polyethylene and a barrier layer. 	en reinforcing materials s ih density polyethylene to between high density ank systems with high de	such o ensity				
Physical	Typical Value	(English)	Typical Value	(SI)	Test Based On	
Density	0.960	g/cm³	0.960	g/cm³	ExxonMobil Method	
Melt Mass-Flow Rate (MFR) ²					ExxonMobil	
190°C/2.16 kg	1	g/10 min	1	g/10 min	Method	
230°C/2.16 kg	3	- g/10 min	3	- g/10 min		
Maleic Anhydride Graft Level ³	High		High		ExxonMobil Method	

Volatiles	< 0.15 %	< 0.15 %	AM-S 350.03
Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Peak Melting Temperature	273 °F	134 °C	ExxonMobil Method
			Method
Optical	Typical Value (English)	Typical Value (SI)	Test Based On

Optical	Typical Value (B	English)	Typical Value	(SI)	Test Based On
Yellowness Index	<10 Y	1	< 10	YI	ASTM E313



