




Future Vantage, LLC

www.futurevantagellc.com

NAME	LDPE 410-NA	Resource	100% PCR MATERIAL	Picture	
Color	Brown	State	Resin	LOT#	
Properties		Test Standard	Test Condition	Unit	Measured Data
Physical Properties					
Density		ASTM D792	23°C	g/cm ³	0.89 ± 0.02
Ash Cotent		ISO 3451	\	%	
Melt mass-flow rate		ASTM D1238	190°C/5Kg	g/10min	1.4 ± 0.2
Mechanical Properties					
Tensile Strength		ASTM 638	6mm/min	MPa	≥ 17
Elongation at break		ASTM 638	6mm/min	%	≥ 35
Bending strength		ASTM D790	2.8mm/min	MPa	≥ 5
Flexural Modulus			2.8mm/min	MPa	≥ 120
Izod notched impact strength		ASTM D256	\	kJ/m ²	≥ 30
Flammability		UL 94	\	HB	/
Flame retardance		UL 94	\	mm/min	/
Environmental properties					
Element	(ppm) Content	(ppm) Error	Limits	Results	
(Pb)	PASS		600		
(Hg)	PASS		600		
(Cd)	PASS		60	/	
(Br)	PASS		600		
(Cr)	PASS		600		
(As)	PASS		—		
(Se)	PASS		—		
(Sb)	PASS		—		
(Ba)	PASS		—		