



K-Resin® KR03NW				
SB		Chevron Phillips Chemical Co. LP		
Processing/Physical Characteristics		Value	Unit	Test Standard
ASTM Data				
Melt Flow Index		7.5	g/10min	ASTM D 1238
Temperature		200	°C	-
Load		5	kg	-
Density, 73°F		1010	kg/m³	ASTM D 792
Water Absorption, 24hr		0.09	%	ASTM D 570
Mechanical properties				
ASTM Data		Value	Unit	Test Standard
Tensile Strength at Yield		26.2	MPa	ASTM D 638
Elongation at Break		230	%	ASTM D 638
Flexural Modulus		1795.05	MPa	ASTM D 790
Shore D Hardness		63	-	ASTM D 2240
Thermal properties				
ASTM Data		Value	Unit	Test Standard
DTUL @ 264 psi		62.2	°C	ASTM D 648
Vicat Temperature		85	°C	ASTM D 1525
Optical properties				
ASTM Data		Value	Unit	Test Standard
Gloss		162	-	ASTM D 2457
Light Transmittance		92	%	ASTM D 1003
Characteristics				
Delivery form		Ecological valuation		
Pellets		Food approval FDA 21 CFR		
Features		Applications		
Copolymer		Medical, Packaging		