



<b>K-Resin® KR05</b>			
<b>SB</b>		Chevron Phillips Chemical Co. LP	
<b>Processing/Physical Characteristics</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Melt Flow Index	7.5	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Density, 73°F	1010	kg/m <sup>3</sup>	ASTM D 792
Water Absorption, 24hr	0.09	%	ASTM D 570
<b>Mechanical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
DTUL @ 264 psi	62.2	°C	ASTM D 648
Vicat Temperature	85	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Gloss	162	-	ASTM D 2457
Light Transmittance	92	%	ASTM D 1003
<b>Characteristics</b>			
<b>Delivery form</b>	<b>Ecological valuation</b>		
Pellets	Food approval FDA 21 CFR		
<b>Features</b>	<b>Applications</b>		
Copolymer	Medical, Packaging		