



TER Plastics
POLYMER GROUP



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	Value	Unit	Test Standard
ASTM Data			
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	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	62.2	°C	ASTM D 648
Vicat Temperature	85	°C	ASTM D 1525
Optical properties	Value	Unit	Test Standard
ASTM Data			
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	