



TER Plastics
POLYMER GROUP



K-Resin® XK41			
SB		Chevron Phillips Chemical Co. LP	
Processing/Physical Characteristics			
ASTM Data	Value	Unit	Test Standard
Melt Flow Index	7.5	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Density, 73°F	1010	kg/m ³	ASTM D 792
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Strength at Yield	21.4	MPa	ASTM D 638
Elongation at Break	240	%	ASTM D 638
Flexural Modulus	1454.79	MPa	ASTM D 790
Shore D Hardness	60	-	ASTM D 2240
Thermal properties			
ASTM Data	Value	Unit	Test Standard
DTUL @ 264 psi	54.4	°C	ASTM D 648
Vicat Temperature	71.1	°C	ASTM D 1525
Optical properties			
ASTM Data	Value	Unit	Test Standard
Light Transmittance	90	%	ASTM D 1003
Characteristics			
Delivery form		Ecological valuation	
Pellets		Food approval FDA 21 CFR	
Features		Applications	
Thermal Stability, Copolymer		Packaging	