

K-Resin® SBC KR52

Styrene Butadiene Block Copolymer
Chevron Phillips Chemical Company LLC

Message:

K-Resin® SBC KR52 is a Styrene Butadiene Block Copolymer (SBC) material. It is available in North America.
Important attributes of K-Resin® SBC KR52 are:
Good Aesthetics
Good Stiffness
Typical applications include:
Film
Labels

General Information			
Features	Excellent Printability		
	Good Stiffness		
	Opticals		
Uses	Film		
	Labels		
	Multilayer Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic)	0.25		ASTM D1894
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	1100	MPa	
1% Secant, TD	1600	MPa	
Tensile Strength			ASTM D882
MD : Yield	30.0	MPa	
TD : Yield	45.0	MPa	
MD : Break	20.0	MPa	
TD : Break	90.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	260	%	
TD : Break	80	%	
Elmendorf Tear Strength			ASTM D1922
MD	95	g	
TD	75	g	
Oxygen Permeability	85	cm ³ ·mm/m ² /atm/24 hr	ASTM D3985

Water Vapor Transmission Rate	2.0	$\text{g} \cdot \text{mm}/\text{m}^2/\text{atm}/24 \text{ hr}$	ASTM F1249
Impact	Nominal Value	Unit	Test Method
Instrumented Dart Impact	3.00	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	60.0	$^{\circ}\text{C}$	ISO 306
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	145		ASTM D523
Haze	4.0	%	ASTM D1003

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Recommended distributors for this material

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