

K-Resin® KR40

SB

INEOS Styrolution

K-Resin® KR40 is an improved extrusion grade SBC designed specifically for superior performance in blends with general purpose polystyrene. K-Resin® KR40 offers excellent toughness and ductility.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	10	cm³/10min	ISO 1133
Temperature	200	°C	-
Load	5	kg	-
Melt Flow Index, MFI	10	g/10min	ISO 1133
MFI temperature	200	°C	-
MFI load	5	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	650	MPa	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	8	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	847	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	46	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	56	°C	ISO 75-1/-2
ASTM Data			
Vicat Temperature	63	°C	ASTM D 1525

Other Properties	Value	Unit	Test Standard
ISO Data			
Humidity absorption	0.07	%	Sim. to ISO 62
Density	1010	kg/m³	ISO 1183

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Light Transmittance	90	%	ASTM D 1003

Characteristics

Processing

Sheet Extrusion, Blow Molding, Thermoforming

Delivery form

Pellets

Special Characteristics

Transparent

Features

Blending Resin, Ductile, High Gloss, Copolymer

Certifications

Water contact

Applications

Packaging

Injection Molding