

SKYPET® CR SB

PET

SK Chemicals

SKYPET CR SB is a crystalline polyester grade with excellent color, purity, and processability. It is a material applicable to textile and film. SKYPET CR SB is a recycled polyester resin based on PET PCR (post consumer recycled material).

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0033	mm/mm	ASTM D 955
Density, 73°F	1310	kg/m³	ASTM D 792

Mechanical Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	52	MPa	ASTM D 638
Tensile Strength at Break	45.1	MPa	ASTM D 638
Elongation at Yield	3.5	%	ASTM D 638
Elongation at Break	370	%	ASTM D 638
Flexural Modulus	2489	MPa	ASTM D 790
Flexural Strength	80.4	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785
Notched Impact Strength (Izod), 1/8 in	62	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	255	°C	ASTM D 3418

Other Properties	Value	Unit	Test Standard
ASTM Data			
Intrinsic Viscosity	0.66	dl/g	-
Color L	55	-	CIE
Color b	3	-	CIE
Moisture Content	0.35	%	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	2	%	ASTM D 1003
Light Transmittance	87	%	ASTM D 1003

Characteristics

Processing

Film Extrusion

Certifications

Recycled Resin Content

Features

Color Stability