

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

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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