

SKYPET® CR BL PET

SK Chemicals

SKYPET CR BL is a crystalline polyester grade with excellent transparency and molding processability. It is a material that can be applied to bottles and packaging.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0019	mm/mm	ASTM D 955
Density, 73°F	1330	kg/m³	ASTM D 792

Mechanical Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	54	MPa	ASTM D 638
Tensile Strength at Break	47	MPa	ASTM D 638
Elongation at Yield	3.6	%	ASTM D 638
Elongation at Break	370	%	ASTM D 638
Flexural Modulus	2508	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	64	J/m	ASTM D 256

Thermal Properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	71	°C	ASTM D 648
DTUL @ 264 psi	71	°C	ASTM D 648
Melting Temperature	247	°C	ASTM D 3418

Other Properties	Value	Unit	Test Standard
ASTM Data			
Intrinsic Viscosity	0.8	dl/g	-
Color L	85	-	CIE
Color b	7	-	CIE
Moisture Content	0.35	%	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	1	%	ASTM D 1003
Light Transmittance	88	%	ASTM D 1003

Characteristics

Special Characteristics

Transparent

Applications

Packaging

Certifications

Recycled Resin Content

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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- any critical component in any medical device that supports or sustains human life.

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