

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