

SKYPET CR BB

Product descriptions

- SKYPET CR BB is a crystalline polyester grade with excellent color, purity, and processability. It is a material applicable to textile, bottles and engineering plastic compound.
- SKYPET CR BB is a recycled polyester resin based on PET PCR (post consumer recycled material).

Properties

Property	Test Method	Unit	Standard Value
Specific Gravity	ASTM D792	-	1.31
Intrinsic Viscosity	ASTM D 4603	dl/g	0.80 ± 0.03
Carboxyl End Group	SK Chemicals method	eq/ton	max. 30
Diethylene Glycol	SK Chemicals method	mol%	max. 2.5
Chip Size	SK Chemicals method	g/100ea	3.0 ± 0.2
Mold Shrinkage	ASTM D955	%	0.33
Rockwell Hardness	ASTM D785	R-scale	112
Tensile Strength @ Yield	ISO 527	MPa	54
Tensile Strength @ Break	ISO 527	MPa	32
Elongation @ Yield	ISO 527	%	2.8
Elongation @ Break	ISO 527	%	280
Flexural Strength	ISO 178	MPa	75
Flexural Modulus	ISO 178	MPa	2290
Izod Impact Strength Notched @ 23°C	ISO 180	kJ/m2	6.2
Melting Point	ASTM D 3418	°C	255.0 ± 3.0
Heat Distortion Temperature @ 0.455 MPa / @ 1.820 Mpa	ISO 75	°C	73
Chip Color L	ASTM D 6290		min. 77
Chip Color b	ASTM D 6290		max. 3
Haze	ASTM D1003	%	< 2.0
Transmittance	ASTM D1003	%	87
Moisture Content	SK Chemicals method	ppm	max. 3500

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The information in this data sheet is, to the best of our knowledge, true and accurate. The representations about the product are based upon test results achieved under laboratory practices supervised and controlled by SK chemicals corporation.