

Technical Data Sheet

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	ASTM D638	Kgf/cm2	530
Tensile Strength @ Break	ASTM D638	Kgf/cm2	460
Elongation @ Yield	ASTM D638	%	3.5
Elongation @ Break	ASTM D638	%	370
Flexural Strength	ASTM D790	Kgf/cm2	820
Flexural Modulus	ASTM D790	Kgf/cm2	25370
Izod Impact Strength Notched @ 23°C	ASTM D256	J/m	62
Melting Point	ASTM D 3418	°C	255.0 ± 3.0
Heat Distortion Temperature @ 0.455 MPa / @ 1.820 Mpa	ASTM D648	°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

