

PRODUCT DESCRIPTION

BC112 is a crystalline, high molecular weight thermoplastic polymer made by continuous melt-phase polymerization process followed by solid-state polymerization

TRPICAL APPLICATION

BC112 is especially suitable for the production of bottles for carbonated drinks. The high I.V. gives the bottle the extra mechanical strength required in hot countries due to the high pressures from carbonation. It can also be used for bottles for noncarbonated (except water) and other packaging applications, e.g. edible oil & thermoformed packaging.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Intrinsic Viscosity	Dl/g	0.84 ± 0.02	(IRC0041)
Acetaldehyde	PPM	<1	(IRC00057)
Color (L)	-	89 ± 4.0	(IRC0051)
Color (b)	-	-1.5 ± 2.0	(IRC0051)
Melting Range	°C	246 - 256	(IRC0053)
DEG Content	% w/w	< 1.5	(IRC0055)
Crystalline Density	Kg/m ³	< 1390	(IRC0032)
Dust Content	% w/w	< 0.01	(IRC0060)
Bulk Density	Kg/m ³	838 ± 10	ASTM D 1895
Moisture Content ⁽²⁾	% w/w	< 0.35	(IRC0050)