

SABIC HC100 Crystalline Polyethylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Unreinforced

Material Notes:

Product Description: HC100 is a crystalline, high molecular weight thermoplastic polymer made by a continuous melt-phase polymerization process followed by solid-state polymerization. **Characteristics:** HC100 is a specially formulated PET grade that is characterized by High I.V. The High I.V. confers good mechanical properties. **Typical Applications:** This PET grade is especially used for woven tape fabric, involved in making sacks, geotextiles, carpet backing, composites and other non-bottle applications. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-HC100-Crystalline-Polyethylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	crystalline density; SABIC (IRC0032)
Viscosity Test	82 - 86 cm ³ /g	82 - 86 cm ³ /g	Intrinsic; SABIC (IRC0041)
Maximum Moisture Content	<= 0.35	<= 0.35	% w/w; SABIC (IRC0050)

Thermal Properties	Metric	English	Comments
Melting Point	240 - 260 °C	464 - 500 °F	SABIC (IRC0053)

Descriptive Properties	Value	Comments
Color (b)	-1.5 ± 2.0	
Color (L)	89 ± 4.0	
DEG Content	= 1.2 % w/w	SABIC (IRC0055)
Dust Content	< 0.01 % w/w	SABIC (IRC0060)

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