

SABIC HC 050 Amorphous Polyethylene Terephthalate

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

Material Notes:

Product Description: HC 050 is an amorphous, low molecular weight thermoplastic PET made by a continuous melt-phase polymerization process. **Characteristics:** HC 050 is a specially formulated amorphous PET grade. **Typical Applications:** HC 050 is especially suitable for filament, fiber spinning and film applications. It can also be used as an intermediate for solid state polymerization to make PET with high I.V. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-HC-050-Amorphous-Polyethylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Density	1.333 g/cc	0.04816 lb/in ³	crystalline density; SABIC (IRC0032)
Viscosity Test	62 - 66 cm ³ /g	62 - 66 cm ³ /g	Intrinsic; SABIC (IRC0041)
Maximum Moisture Content	<= 0.40	<= 0.40	% 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)	-5.0 ± 1.0	
Color (L)	82 ± 2	
DEG Content	= 1.2 % w/w	SABIC (IRC0055)
Dust Content	< 0.01 % w/w	SABIC (IRC0060)

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