PBT 6129 NC010 高粘度 挤出和注塑级

产品名称	PBT 6129 NC010 高粘度 挤出和注塑级
公司名称	墨澜中嘉（东莞市）塑胶科技有限公司
价格	.00/个
规格参数	品牌:PBT 型号:6129 NC010 包装:原产原包
公司地址	东莞常平麦元村物流大道西段美吉特一期5栋20号
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产品详情

PBT 6129 NC010 高粘度 挤出和注塑级

特点：Crastin 6129 is an unreinforced, high viscosity polybutylene terephthalate for extrusion and injection moulding.

· PBT 6129 NC010 高粘度,挤出和注塑级

Crastin 6129 NC010 | PBT THERMOPLASTIC POLYESTER RESIN

Regional Availability

Europe, Near East/Africa

Processing

Injection Moulding, Profile Extrusion, Sheet Extrusion, Other Extrusion, Coatable

Delivery form

Pellets

Product Text

Common features of Crastin thermoplastic polyester resin include mechanical and physical properties such as stiffness and toughness, heat resistance, friction and wear resistance, excellent surface finishes and good colourability. Crastin thermoplastic polyester resin has excellent electrical insulation characteristics and high arc-resistant grades are available. Many flame retardant grades have UL recognition (class V-0). Crastin thermoplastic polyester resin typically has high chemical and heat ageing resistance.

The good melt stability of Crastin thermoplastic polyester resin normally enables the recycling of properly handled production waste. If recycling is not possible, DuPont recommends, as the preferred option, incineration with energy recovery (24 kJ/g of base polymer) in appropriately equipped installations. For disposal, local regulations have to be observed.

Crastin thermoplastic polyester resin typically is used in demanding applications in the electronics, electrical, automotive, mechanical engineering, chemical, domestic appliances and sporting goods industry.

Crastin 6129 is an unreinforced, high viscosity polybutylene terephthalate for extrusion and injection moulding.

Injection molding

PREPROCESSING

Drying recommended = Yes

Drying temperature = 110-130°C

Drying time, dehumidified dryer = 2-4 h

Processing moisture content =<0.04 %

PROCESSING

Melt temperature optimum = 250°C

Melt temperature range = 240-260°C

Mould temperature optimum = 80°C

Mould temperature range = 30-130°C

POSTPROCESSING

Profile extrusion

PROPERTIES

Rheological properties

Value

Unit

Test Standard

Melt mass-flow rate

10

g/10min

ISO 1133

Temperature

250

°C

Load

2.16

kg

Moulding shrinkage,parallel

1.7

%

ISO 294-4,2577

Moulding shrinkage,normal

1.5

Mechanical properties

Tensile Modulus

2600

MPa

ISO 527-1/-2

Yield stress

58

Yield strain

5

Nominal strain at break

>50

Tensile creep modulus,1h

2500

ISO 899-1

Tensile creep modulus,1000h

1800

Charpy impact strength,23°C

N

kJ/m

ISO 179/1eU

Charpy impact strength,-30°C

Charpy notched impact strength,23°C

5.5

ISO 179/1eA

Charpy notched impact strength,-30°C

4

Thermal properties

Melting temperature,10°C/min

225

ISO 11357-1/-3

Temp. of deflection under load,1.8 MPa

50

ISO 75-1/-2

Temp. of deflection under load,0.45 MPa

115

Vicat softening temperature,50°C/h,50N

175

ISO 306

Coeff. of linear therm. expansion,parallel

130

E-6/K

ISO 11359-1/-2

Coeff. of linear therm. expansion,normal

Flammability

Burning Behav. at 1.5 mm nom. thickn.

HB

class

IEC 60695-11-10

Thickness tested

mm

UL recognition

UL

-

Burning Behav. at thickness h

0.9

Oxygen index

22

ISO 4589-1/-2

Electrical properties

Relative permittivity,1MHz

3.2

IEC 60250

Dissipation factor,1MHz

200

E-4

Volume resistivity

>1E13

Ohm*m

IEC 60093

Surface resistivity

1E+12

Ohm

Electric strength

26

kV/mm

IEC 60243-1

Comparative tracking index

600

IEC 60112

Other properties

Water absorption,2mm

0.4

Sim. to ISO 62

Humidity absorption,2mm

0.2

Density

1320

kg/m

ISO 1183

Material specific properties

Viscosity number

150

cm/g

ISO 307,1157,1628

Rheological calc. properties

Density of melt

1120

Thermal conductivity of melt

0.25

W/(m K)

Spec. heat capacity melt

2090

J/(kg K)

Ejection temperature

VDA Properties

Burning rate,Thickness 1 mm

21

mm/min

ISO 3795 (FMVSS 302)

Chemical Media Resistance

Acids

√ Acetic Acid (5% by mass) (23°C)

√ Citric Acid solution (10% by mass) (23°C)

√ Lactic Acid (10% by mass) (23°C)

× Hydrochloric Acid (36% by mass) (23°C)

× Nitric Acid (40% by mass) (23°C)

× Sulfuric Acid (38% by mass) (23°C)

× Sulfuric Acid (5% by mass) (23°C)

× Chromic Acid solution (40% by mass) (23°C)

Bases

× Sodium Hydroxide solution (35% by mass) (23°C)

√ Sodium Hydroxide solution (1% by mass) (23°C)

√ Ammonium Hydroxide solution (10% by mass) (23°C)

Alcohols

√ Isopropyl alcohol (23°C)

√ Methanol (23°C)

√ Ethanol (23°C)

Hydrocarbons

√ n-Hexane (23°C)

√ Toluene (23°C)

√ iso-Octane (23°C)

Ketones

√ Acetone (23°C)

Ethers

√ Diethyl ether (23°C)

Mineral oils

√ SAE 10W40 multigrade motor oil (23°C)

× SAE 10W40 multigrade motor oil (130°C)

× SAE 80/90 hypoid-gear oil (130°C)

√ Insulating Oil (23°C)

Standard Fuels

× ISO 1817 Liquid 1 (60°C)

× ISO 1817 Liquid 2 (60°C)

× ISO 1817 Liquid 3 (60°C)

× ISO 1817 Liquid 4 (60°C)

√ Standard fuel without alcohol (pref. ISO 1817 Liquid C) (23°C)

√ Standard fuel with alcohol (pref. ISO 1817 Liquid 4) (23°C)

√ Diesel fuel (pref. ISO 1817 Liquid F) (23°C)

√ Diesel fuel (pref. ISO 1817 Liquid F) (90°C)

× Diesel fuel (pref. ISO 1817 Liquid F) (>90°C)

Salt solutions

√ Sodium Chloride solution (10% by mass) (23°C)

√ Sodium Hypochlorite solution (10% by mass) (23°C)

√ Sodium Carbonate solution (20% by mass) (23°C)

√ Sodium Carbonate solution (2% by mass) (23°C)

√ Zinc Chloride solution (50% by mass) (23°C)

Other

√ Ethyl Acetate (23°C)

× Hydrogen peroxide (23°C)

× DOT No. 4 Brake fluid (130°C)

× Ethylene Glycol (50% by mass) in water (108°C)

√ 1% nonylphenoxy-polyethyleneoxy ethanol in water (23°C)

√ 50% Oleic acid + 50% Olive Oil (23°C)

√ Water (23°C)

× Water (90°C)

√ Phenol solution (5% by mass) (23°C)

Symbols used:

√ possibly resistant

Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).

× not recommended - see explanation

Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).