Manufacturer website: https://www.petkim.com.tr/

Technical Data Sheet

PETILEN I22-19TA
Low Density Polyethylene (LDPE)

Description

PETILEN I22-19TA is a high flow low density polyethylene resin, produced by high pressure tubular process. It is developed for injection molding and compounding applications.

Applications

Injection molding: kitchen goods, toys, caps and closures
Masterbatch production: color and filler masterbatches, compound production

Additives

PETILEN I22-19TA involves antiblock, slip agent and heat stabilizer.

Properties	Typical Values (*)	Units	Test Methods
Resin Properties			
Melt Flow Rate (190°C/2.16 kg)	22	g/10 min	ASTM D1238
Density, 23°C	0.919	g/cm³	ASTM D1505
Melting Point (DSC, 2nd heating)	105	°C	ASTM D3418
Mechanical Properties (**)			
Tensile Strength at Yield	8	MPa	ASTM D638
Tensile Strength at Break	8	MPa	ASTM D638
Elongation at Break	400	%	ASTM D638
Hardness (Shore D)	45	-	ASTM D2240
Thermal Properties			
Vicat Softening Point, 10 N	82	°C	ASTM D1525

(*) These are typical properties only and are not to be construed as specifications. Customers should confirm results by their own tests.
(**) The values given are measured based on compression molded sheet.

PETKIM PETROCHEMICAL HOLDING INC.
Siteler Mah. Necmettin Giritlioğlu Cad.
SOCAR Türkiye Aliağa Yönetim Binası No: 6/1 35800 Aliağa/İZMİR
Tel: +90 232 616 12 40 www.petkim.com.tr

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Recommended Processing Conditions

Injection molding applications;
Typical melt temperature: 180 - 230°C
Typical mold temperature: 10 - 40°C

Processing conditions should be optimized for different equipment design.

Product Safety and Compliance with Regulations

Detailed safety information of the products is given in the Product Safety Data Sheet. Compliance information of the products with the relevant legislation is detailed in the Declarations of Compliance with Food Contact, Compliance with Chemical Regulations and Additive Origin Declarations. Current declarations are available on the website. For more detailed information, please contact your sales representatives.

Packing and Storage

Available in PE bags or PP Big Bags. The product should be stored in a dry area with an ambient temperature below 50°C. It should be kept away from sunlight, sparks, heat and flame. Improper storage may result in odor development, discoloration, or deterioration of physical properties. Processing within 6 months of delivery is recommended to ensure optimal performance. Prior to processing PE product bags shall be kept in production area for at least 12 hours.

Recycling

This product is non-hazardous and fully recyclable via standard polyethylene recycling streams.

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