

Technical Data Sheet

Eastar™ Copolyester EN076

Applications

- Appliances (food contact)
- Baby bottles/sippy cups
- Bottles-color cosmetics pkg
- Bottles-skin care pkg
- Color cosmetics packaging
- Commercial housewares
- Consumer housewares-nfc
- Film modification
- Filtration
- Jars-skin care pkg
- Multi-layer film food contact
- Non-medical housings & hardware for elec
- Oral hygiene
- Packaging component films
- Packaging components non food contact
- Personal care & cosmetics packaging
- Personal care bottles
- Personal care packaging
- Shrink film food contact
- Shrink film non food contact
- Skin care packaging

Product Description

Eastar™ EN076 copolyester is recommended for a variety of applications including thick-walled containers that are prevalent in the cosmetics and personal care markets. This copolyester offers good processability with the benefits of glass such as high clarity, brightness, and good color.

This product has been GREENGUARD INDOOR AIR QUALITY CERTIFIED

The GREENGUARD INDOOR AIR QUALITY CERTIFIED mark is a registered certification mark used under license through the GREENGUARD Environmental Institute (GEI). GEI is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program. The GREENGUARD Certification Program is an industry independent, third-party testing program for low-emitting products and materials for indoor environments. For more information about GEI and to obtain printable certificates for Eastman™ Copolyesters, visit [www.gei.com](#)

. Choose Eastman Chemical Company under the Manufacturer category and click search to display a list of our products.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
Mechanical Properties		
Flexural Modulus	D 790	2350 MPa (3.4 x 10 ⁵ psi)
Rockwell Hardness, R Scale	D 785	111
Izod Impact Strength, Notched		
@ 23°C (73°F)	D 256	67 J/m (1.2 ft·lbf/in.)
@ -40°C (-40°F)	D 256	33 J/m (0.6 ft·lbf/in.)
Optical Properties		
Haze	D 1003	0.8 %
Total Transmittance	D 1003	89 %
Other Properties		

Bio-based Content	0 %
Thermal Properties	
Crystallization half time	4.5 min.
Typical Processing Conditions	
Drying Temperature	150 °C (302 °F)
Drying Time	4-6 hrs
Processing Melt Temperature	277-293 °C (530-560 °F)
Mold Temperature	16-32 °C (60-90 °F)

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Eastman and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

6/6/2019 12:17:02 PM