HDPE

HDPE for injection

J441A

Application

Injection molding, Household goods parts, Electrical and electronic parts, Industrial materials component

Characteristics

High flowability, Thermal resistance stability, Excellent mechanical properties

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ASTM D1238	g/10min	4.1
Density	ASTM D1505	g/㎤	0.968
Tensile strength (at yield)	ASTM D638	kg/㎠	330
Tensile strength(at break)	ASTM D638	kg/㎠	170
Flexural modulus	ASTM D790	kg/㎠	11000
Elongation (at break)	ASTM D638	%	>300
Vicat softening point	ASTM D1525	℃	124
Melt temperature	HTC Method	℃	134
Brittleness temperature	ASTM D746	℃	<-80
Rockwell hardness	ASTM D785	R scale	60

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

Certification

There are limitations in applying Hanwha TotalEnergies J441A for food packaging purposes. For further inquiries, please contact Customer Technical Service.

Contact information

Hanwha TotalEnergies Petrochemical Co., Ltd.
www.htpchem.com

Sales Office
(04525) 16F, Hanwha Finance Plaza Bld, 92,
Sejong-daero, Jung-gu, Seoul, Republic of Korea

Customer Technical Service
(31900) 103, Dokgot 2-ro, Daesan-eup, Seosan-si,
Chungcheongnam-do, Republic of Korea
T. 041-660-6143 F. 041-660-6189

Disclaimer
This document is copyrighted by Hanwha TotalEnergies Petrochemical. All information is for reference only and is not the specifications of the final product. Customers should make their own judgments as to whether our products and information serve a particular purpose and what regulations apply to customers' use of such products. Hanwha TotalEnergies Petrochemical is not responsible or obligated for the contents of this document. Hanwha TotalEnergies Petrochemical provides no warranties of any kind, either express or implied (such as merchantability and or fitness for a particular purpose, etc.) with respect to any information contained in this material. Hanwha TotalEnergies Petrochemical may arbitrarily change the contents of this material without prior notice.