

# HDPE

## J441A

### HDPE for injection

#### 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/cm <sup>3</sup>	0.968
Tensile strength (at yield)	ASTM D638	kg/cm <sup>2</sup>	330
Tensile strength(at break)	ASTM D638	kg/cm <sup>2</sup>	170
Flexural modulus	ASTM D790	kg/cm <sup>2</sup>	11000
Elongation (at break)	ASTM D638	%	>300
Vicat softening point	ASTM D1525	°C	124
Melt temperature	HTC Method	°C	134
Brittleness temperature	ASTM D746	°C	<-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

Hanwha TotalEnergies Petrochemical are limitations in applying Hanwha TotalEnergies J441A for food packaging purposes.

For further inquiries, please contact Customer Technical Service.

#### Contact information

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