

# Kazan HDPE PEBO-285D

High Density Polyethylene  
Kazanorgsintez Joint Stock Company

Message:

HDPE FILM GRADES 273-285, PE8D-2B5, 293-2B5D, PEBO-285D  
GOST / TU: TU 2243-127-00203335-2000

Composition of 293-285D, PE80B-285D grades includes processing aids. Processing aid allows extruding polyethylene throughout narrower die head and avoiding carbon deposit while haul-off, that means to make a thinner film with good mechanical properties. According to the experience of end users of such products it is possible to make high-quality extrusion molded thin films (5 to 9 microns of film gauge) which can be used for food packaging. Production of thinner film decreases the cost of polyethylene to be processed in the cost of 1 m2 of finished product. HDPE film grades have sanitary-and-epidemiologic authorization.

These grades are being manufactured based on 273,293, PE80B grades, have high molecular weight and wide MWD. The composition of products made on above polymers includes high-performance thermal stabilizers and processing aids which can improve processing. The grades are intended to process using extrusion method into high strength thin film and for other applications.

General Information		
Additive	Heat Stabilizer	
	Processing Aid	
Features	Good Processability	
	High Molecular Weight	
	Wide Molecular Weight Distribution	
Uses	Film	
Forms	Pellets	
Processing Method	Extrusion	
	Film Extrusion	
Physical	Nominal Value	Unit
Density	0.940 to 0.943	g/cm <sup>3</sup>
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50 to 0.80	g/10 min
Mechanical	Nominal Value	Unit
Tensile Stress		
Yield	> 16.0	MPa
Break	> 20.6	MPa
Tensile Strain (Break)	> 700	%
Additional Information	Nominal Value	Unit
Volatiles	< 0.090	%

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