

SC «Turkmengas»

High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - A4009MFN1325

Melt flow rate , (2.16 kg), g/10min	0.7-1,1
Density kg/m ³	958-962
Tensile yield strength , at 50 mm/min, Mpa	27
Tensile elongation at yield , at 50 mm/min, Mpa	19
Elongation at break %	500
Flexural modulus (1% secant) , at 1.4mm/min, Mpa	1000

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - B50-35H-111

Melt flow rate, (2.16 kg) g/10min	0,3-0,4
Density kg/m³	948-952
Tensile yield strength, at 2 inch/min, Mpa	21
Tensile elongation at yield, %	500
Flexural modulus (1% secant), at 1.4 mm/min, Mpa	900
Heat resisitance on Vicka , °C	120
Bell Telephone thermal testing on the breakdown voltage , resistance to cracking when the voltage, at 50 °C	30 h

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - HP50-25-155

Melt flow rate, (2.16 kg), g/10min	0,18-0,26
Density, kg/m³	949-953
Tensile yield strength, (2 inch/min) , Mpa	22
Tensile elongation at yield, %	700
Heat resistance on Vicka , Mpa	120
Flexural modulus, Mpa	900

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - INpipe 100

Melt flow rate , (2.16 kg), g/10min	0,25-0,35
Density , kg/m ³	957-961
Tensile yield strength , at 2 inch/min, Mpa	21
Tensile elongation at yield , %	600
Heat resisitance on Vicka , °C	120
Bell Telephone thermal testing on the breakdown voltage , resistance to cracking when the voltage , at 50 °C	1000 h

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - J53-08 N2000

Melt flow rate, (21.6 kg), g/10min	6,5-9,5
Density 23 °C, kg/m³	951-955
Tensile strength at yield longitudinal direction, Mpa	27
Tensile strength at yield in transverse direction, Mpa	25
Tensile strength at break in the longitudinal direction, Mpa	66
Tensile at break in the longitudinal / tranverse direction, %	> 250 / >350
Impact strength, g/10 min	250

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - T50-500

Melt flow rate, (2.16 kg) , g/10min	5,4-7,6
Density, kg/m³	951-955
Tensile yield strength, Mpa	24
Tensile elongation at yield, %	800
Flexural modulus (1 mm/min), Mpa	900
Notched izod under load, J/m	57
Heat resisitance on Vicka, °C	120

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High-Density Polyethylene Specification (granulated)

TDS(State Turkmenistan Standart Service)-1097-2018

Mark - T60-475-119

Melt flow rate, (2.16 kg) , g/10min	4 -5,6
Density, kg/m³	959-963
Tensile yield strength, Mpa	28
Notched izod under load, J/m	55
Flexural modulus (1 mm/min), Mpa	1250
Heat resisitance on Vicka	120 °C