

# AKSAD GROUP PETROCHEM

## HDPE 5000S

Major Characteristics	Application
Good spinning and stretching High Strength and melting stability	Monofilament for rope and net

Properties	Test Method	Unit	5000S
Melt Flow Rate 190°C	ASTM D-1238	g/10min	0.80
Density	ASTM D-1505	g/cm <sup>3</sup>	0.954
Softening Point	ASTM D-1525	°C	125
Tensile Strength @ Yield	ASTM D-638	kg/cm <sup>2</sup>	270
Ultimate Elongation	ASTM D-638	%	>500
Heat Distortion Temperature(4.6kg/cm <sup>2</sup> )	ASTM D-648	°C	74
Flexual Modulus of Elasticity	ASTM D-790	kg/cm <sup>2</sup>	10,000
Hardness(Rockwell)	ASTM D-785	R	50
IZOD Impact Strength (23°C)	ASTM D-256	kg·cm/cm	20

\*Above are not the spec of products, but only for reference