

PTT

HDPE

HD5000S

Product information				
Manufacturer		PTT Global Chemical Public Company Limited		
Color		NC		
Material Shape		Pellets		
Process		Extrusion molding		
Material Attribute		Food Contact grade		
Features		Good appearanceHigh toughnessGood processability		
Application		TarpaulinsWoven bagsAgricultural netFishing netRopeMono-filament / Yarn applications		
Extrusion molding	Condition	Standard	Value	Unit
Die	Temperature	250~260	°C	
Melt	Temperature	200~260	°C	
Stretching	Temperature1	97~100	°C	
Hardness	Condition	Standard	Value	Unit
Shore	Hardness D	ASTM D2240	64	
Mechanical behavior	Condition	Standard	Value	Unit
Elongation	Break	ASTM D638	1000	%
Flexural	Modulus	ASTM D747	8500	kg/cm ²
Flexural	Modulus	ASTM D790	12000	kg/cm ²
Izod	Notch Impact Partial break	ASTM D256	17	kg-cm/cm
Tensile	Strength Yield	ASTM D638	290	kg/cm ²
Tensile	Strength Break	ASTM D638	390	kg/cm ²
Physical property	Condition	Standard	Value	Unit
Density		ASTM D1505	0.954	g/cm ³
Environmental	Stress Crack Resistance F50 25%Igepal Condition B	ASTM D1693	30	hr
Melt	Index 190°C 2.16kg	ASTM D1238	0.8	g/10min
Thermal	Condition	Standard	Value	Unit
Melting	Temperature	ASTM D3418	125	°C
Vicat	Softening Temperature 50°C/hr 10N	ASTM D1525	125	°C