



HDPE for Yarn

YUHWA HIDEN E308

Features
and Uses

Properties

Application	HDPE for Yarn			
Features	Good Stretch, High Tenacity			
Uses	Fishing Nets, Ropes, Insect Nets			
Items	Specification	Unit	Test Method	
Melt Index	0.85	g/10min.	ASTM D1238	
Density	0.956	g/cm³	ASTM D1505	
Mold Shrinkage	1.5~2.5	%	KPIC Method	
Water Absorption	<0.01	%	ASTM D570	
Tensile Strength at Yield	250	kgf/cm²	ASTM D638	
Elongation at Break	>500	%	ASTM D638	
Flexural Modulus	9,000	kgf/cm²	ASTM D790	
Hardness (Rockwell)	46	R Scale	ASTM D785	
Impact Strength (Izod with Notch)	>50	kgf cm/cm	ASTM D256	
Melting Point	134	℃	ASTM D3418	
Softening Point (Vicat)	123	℃	ASTM D1525	
Heat Deflection Temperature	69	℃	ASTM D648	
Brittleness Temperature	<-70	℃	ASTM D746	