

HIDEN® P603H U

High Density Polyethylene

YUHWAW Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® P603H U is a High Density Polyethylene material. It is available in Asia Pacific.

Important attributes of HIDEN® P603H U are:

Good UV Resistance

Good Weather Resistance

Wear Resistant

Typical applications include:

Coating Applications

Food Contact Applications

General Information			
Features	Good Abrasion Resistance		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Coating Applications		
	Pipe Coatings		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.944	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.33	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.010	%	ASTM D570
Environmental Stress-Cracking Resistance ¹	> 5000	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	58		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	19.6	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	686	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	58.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	121	°C	ASTM D1525

Peak Melting Temperature	131	°C	ASTM D3418
NOTE			

1. 100%

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

