

HIDEN® P301

High Density Polyethylene

YUHWAW Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® P301 is a High Density Polyethylene material. It is available in Asia Pacific.

Important attributes of HIDEN® P301 are:

RoHS Compliant

High Stiffness

Typical applications include:

Food Contact Applications

Plumbing/Piping/Potable Water

General Information			
Features	High Stiffness		
Uses	Piping		
Agency Ratings	FDA Food Contact, Unspecified Rating		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.12	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Environmental Stress-Cracking Resistance 1	> 240	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	48		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	981	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)	69.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	126	°C	ASTM D1525
Melting Temperature	134	°C	DSC
NOTE			
1.	10%		

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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

