

HIDEN® A015E IS

High Density Polyethylene

YUHW A Korea Petrochemical Ind. Co., Ltd.

Message:

A015E series are Medium Density Adhesive resin products, developed through KPIC's own technology.

These are adhesive resin products for steel pipe coating that are produced by grafting polar maleic anhydride to general-use PE. So they have both strong adhesive properties and properties of general-use PE.

General Information			
Features	General Purpose		
	Good Adhesion		
	Good Processability		
	Medium Density		
Uses	Adhesives		
	Pipe Coatings		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5 to 2.5	%	Internal Method
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	13.7	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -80.0	°C	ASTM D746
Vicat Softening Temperature	100	°C	ASTM D1525
Peak Melting Temperature	125	°C	ASTM D3418

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