

KOREA PETROCHEMICAL IND., CO., LTD

Random Copolymer **RP2400**
 print  close

Classification : Random Copolymer Pipe grade

Attributes : Processability, High Pressure Rating, Good Flexibility,
Color:Natural,White,Gray,Green,Dark Green

Applications : Pressure Pipes, Hot Water and Floor Heating Pipes

Documents & Certificates

Spec Sheet :  [kpic_spec_RP2400_en\(1\).pdf](#)

MSDS :  [kpic_msds_RP2400_en\(1\).pdf](#)

FDA :  [FDA Request](#)

RoHS :  [kpic_RoHS_RP2400_20070316.pdf](#)

Certificates :  [LTHS\(Bodycote\)](#)  [Material Test\(China:National Analysis Center of Chemical Building Materials\)](#)  [Sanitary Test\(China:Institute of Environmental Health Monitoring, Chinese Academy of Preventive Medicine\)](#)  [WRAS](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	0.25	g/10min.	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Tensile Strength at Yield	230	kg _f /cm ²	ASTM D638
Elongation at Break	>600	%	ASTM D638
Flexural Modulus	8,500	kg _f /cm ²	ASTM D790
Hardness (Rockwell)	72	R Scale	ASTM D785
Impact Strength (Izod with Notch)	NB	kg _f cm/cm	ASTM D256
Melting Point	139	°C	ASTM D3418
Softening Point (Vicat)	133	°C	ASTM D1525
Oxidation Induction Time at 200°C	>30	min	ASTM D3895
Heat Deflection Temperature	85	°C	ASTM D648
Ash Contents	<300	ppm	ASTM D 5630
Minimum Required Strength	11.2	MPa	ISO 9080
The values given above should only be used as a guide and should not be considered as a specification or guarantee.			
The values are dependent on part geometry and fabrication conditions.			