


KOREA PETROCHEMICAL IND.CO.,LTD

HDPE **P603H BL**
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Classification : HDPE Wire&Cable grade
 Attributes : SCG, Heat Resistance, Long term Properties, UV Resistance, ESCR, Color:Black
 Applications : Wire & Cable Jacket

Documents & Certificates

Spec Sheet :  [kpic_spec_P603H_BL_en.pdf](#)
 MSDS :  [kpic_msds_P603H_BL_en\(1\).pdf](#)
 FDA :  [FDA Request](#)
 RoHS :  [kpic_RoHS_P603H BL_20131118.PDF](#)

Properties

ITEM (TERM)	VALUE	UNIT	TEST METHOD
Melt Index	0.3	g/10min.	ASTM D1238
Density	0.956	g/cm ³	ASTM D1505
Mold Shrinkage	1.5~2.5	%	KPIC Method
Water Absorption	<0.01	%	ASTM D570
Tensile Strength at Yield	210	kg/cm ²	ASTM D638
Elongation at Break	>700	%	ASTM D638
Flexural Modulus	8,000	kg/cm ²	ASTM D790
Hardness	62	Shore	ASTM D2240D
Impact Strength (Izod with Notch)	>50	kg _f cm/cm	ASTM D256
Environment Stress Cracking Resistance	>5,000	hr.Cond.B.10%	ASTM D1693
Melting Point	131	°C	ASTM D3418
Softening Point (Vicat)	122	°C	ASTM D1525
Heat Deflection Temperature	59	°C	ASTM D648
Brittleness Temperature	<-80	°C	ASTM D746
Carbon Black Content	2.6	%	ISO 6964
Carbon Black Particle Size	<20	nm	-
Carbon Black Dispersion	<3	Grade	ISO 18553
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.			