

**TECHNICAL DATA SHEET****BLACK K1041**Updated: 17-sep-09**1. DESCRIPTION OF PRODUCT**

**Product name:** Color Masterbatch (Concentrate)  
**Color:** Black  
**Samhwa's no.:** K1041

**2. PRODUCT CHARACTERISTICS**

**Carrier resin:** LDPE  
**Recommended for:** HDPE, PP Extrusion, injection / blow-molding  
**Recommended LDR:** Blown film; 4 PHR (per hundred resin)  
Injection; 1 PHR  
**Heat stability (°C):** 250  
**Lightfastness (1~8):** 7  
**Migration resistance:** N/A

**3. PHYSICAL / CHEMICAL PROPERTIES**

Test Item	Unit	Test Method	Nominal Value	Remarks
Specific Gravity	g/cc	ASTM-D-1505	1.121	
Melt Flow Index	g/10 min.	ASTM-D-1238	0.1	190 °C/2.16 kg
Tensile Strength	kg./cm <sup>2</sup>	ASTM-D-638	N/A	
Elongation	%	ASTM-D-638	N/A	
Vicat Temperature	°C	ASTM-D-648	105	
Surface Resistivity	Ω	ASTM-D-257	N/A	

Note: All data are based on the information received from raw material supplier(s).

**4. REGULATORY STATUS**

- 4.1. Ingredients of this product are NOT based on heavy metal chemistry.
- 4.2. This product conforms Korean FDA regulation(s) on food contact.

**5. PRECAUTIONS**

- 5.1. Follow usual precautions for handling chemicals. Do not eat.
- 5.2. Store in cool indoor area away from heat source and/or fire.