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Raw Material Products

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Raw Material Products

Chlor-Alkali Products

Chlor-Alkali products are basic raw materials for many chemical industries. Main applications are for water treatment and the manufacture of sodium glutamate, synthetic fibers, soap, detergents, dye-stuffs, pulp and paper, leather, pesticides, mineral refining, etc.



NaOH Products

Appearance	Colorless Liquid
NaOH Content	45 ± 0.5%
NaCl	Below 200ppm
Na2CO3	Below 2%
Na2SO4	Below 200ppm

HCl Products

Appearance	Colorless Liquid
HCl Content	32 ± 0.5%
Na2SO4	Below 200ppm

Hypo Products

Appearance	Colorless Liquid
NaOCl Content	12 ± 0.5%
NaOH Residual	1 ± 0.2%

PVC Resins

PVC Resins Properties

Grade (Test Method)	H-58	H-61	H-66	H-73	H-80
K-value (ISO 1628-2)	57-59	60-62	65-67	72-74	79-81
Degree of Polymerization	700±50	800±50	1000±50	1350±50	1800±100
Bulk Density(g/cc) (ISO 60)	0.53~0.61	0.52~0.59	0.48~0.56	0.45~0.53	0.46~0.52
Particle Size (45 mesh pass %) (Honeywell SRA-150)	≧99	≧99	≧99	≧99	≧99
Volatiles(%) (ISO 1269)	≦0.3	≦0.3	≦0.3	≦0.3	≦0.3
Residual VCM(ppm) (ISO 6401)	<1	<1	<1	<1	<1

Applications

Grade	Applications
H-58	Injection Moulding (Fitting), Blowing Moulding (Bottle).
H-61	Injection Moulding (Pipe Fitting), Hollow-vacuum Forming (Bottle Blowing), Rigid Film, Shrinkable Film.
H-66	Flexible and Semi-rigid Product For General Purpose (PVC Film, Sheet, Beach Chair, Venetian Blind), Rigid Pipe, Hose, Low Temperature Wire

	and Cable Insulation.
H-73	High Impact Flexible Products (PVC Leather, Film, Furniture, Shoes), High Impact Sheet, High Voltage Wire and Cable Insulation.
H-80	High Impact Flexible Products (PVC Leather, Film, Furniture, Shoes), High Impact Sheet, High Voltage Wire and Cable Insulation.

Compound Products



Compound Products Coding

PHR And Transparency	Classification
A. Rigid, Opaque B. Rigid, Translucent C. Rigid, Transparent D. Semi-Rigid Opaque E. Semi-rigid, Translucent F. Semi-rigid, Translucent G. Soft, Opaque H. Soft, Translucent J. Soft, Transparent X. Others	A. General Extrusion B. General Injection C. Bottle Blowing D. Packing Bar For Electronic Parts E. Tubes For Pens F. Pipettes G. Heat Shrinkable Film H. Beach Chairs J. Wire For Telephone K. Rigid Pipe For Furniture L. Profile Extrusion M. Wire Inner Insulation(60℃) N. Wire Inner Insulation(75℃) P. Wire Inner Insulation(90℃) Q. Wire Inner Insulation(105℃) R. Wire Inner Insulation(Non-Migration) S. Wire Outer Insulation T. Telephone Sets U. Christmas Light Plugs V. Shoe Soles (Non-Foaming) W. Shoe Soles (Foaming) X. Others Y. Toys (Air Blowing Nipples) Z. Plugs: 1. Injection Moulded Fittings 2. Woven Fabrics 3. Air Blowing Nipples

SOFT TYPE COMPOUNDS Physical Properties

Extrusion (General Purpose, Beach Chairs, Woven Fabrics)

Grade/Plasticizer Content(PHR)		SO-30X					
		A	B	C	D	E	F
Items / Test Method (ASTM)		30	40	50	75	105	125
Specific Gravity	D-792	1.31	1.27	1.26	1.20	1.16	1.14
Hardness (shore A)	D-2240	95	90	87	68	50	45
Tensile Strength (kg/cm2)	D-638	270	210	200	110	80	68
Elongation (%)	D-638	240	280	290	345	360	380
100% Modulus (kg/cm2)	D-638	220	140	120	60	35	30
Heating Volatility (%)	D-1203	0.2	0.3	0.3	0.4	0.6	0.7

Injection (General Purpose, Shoe Soles, Sandals, Air Blowing Nipples)

Grade/Plasticizer Content(PHR)		SO-30X					
		A	B	C	D	E	F
Items / Test Method (ASTM)		50	60	70	80	90	100
Specific Gravity	D-792	1.25	1.23	1.22	1.22	1.21	1.20
Hardness (shore A)	D-2240	85	80	76	66	63	56
Tensile Strength (kg/cm2)	D-638	270	210	200	110	80	68
Elongation (%)	D-638	190	165	156	145	110	80
100% Modulus (kg/cm2)	D-638	110	80	70	60	50	40
Tearing Strength (kg/cm)	D-638	65	55	50	45	40	30
Heating Volatility (%)	D-1203	0.3	0.3	0.3	0.4	0.4	0.5

RIGID TYPE COMPOUNDS Physical Properties

General **Extrusion, Injection** Products

Grade		R-11X					
		Extrusion			Injection		
Items / Test Method (ASTM)		NI	MI	HI	NI	MI	HI
Specific Gravity	D-792	1.38	1.37	1.36	1.36	1.35	1.34
Tensile Strength (kg/cm2)	D-638	545	540	520	550	540	430
Elongation (%)	D-638	55	50	40	60	50	45
Impact Strength (kg-cm/cm2)	D-256	6	8	14	5	8	10
Vicat Softening Point (℃)	D-1525	92	91	90	92	91	90

Food Vessels And Containers , Packing Bar

For Electronic Components , Heat Shrinkable

Grade		R-10X					
		Bottle Blowing			Extrusion		
Items / Test Method (ASTM)		NI	MI	HI	NI	MI	HI
Specific Gravity	D-792	Pellet 1.345	Pellet 1.35	Pellet 1.34	1.37	1.38	1.37
Tensile Strength (kg/cm2)	D-638	500	480	460	610	620	540
Elongation (%)	D-638	70	90	110	60	88	90
Impact Strength (kg-cm/cm2)	D-256	6	12	20	2	2.4	2.4
Vicat Softening Point (℃)	D-1525	86	84	82	90	91	91

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