



QATAR PLASTIC COMPOUNDING COMPANY

Tel | - +974 4436 1809
Fax | - +974 4460 3993
eMail | - qpccpvc@gmail.com

Building No. 58 | Street. 22
Zone. 81
Small & Medium Scale Industries
Doha - Qatar

RIGID & SOFT
PVC COMPOUNDS

ISO 9001

BUREAU VERITAS
Certification

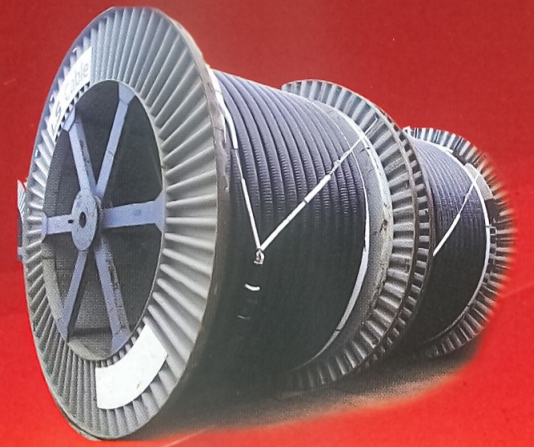


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QPCC PVC Compounds

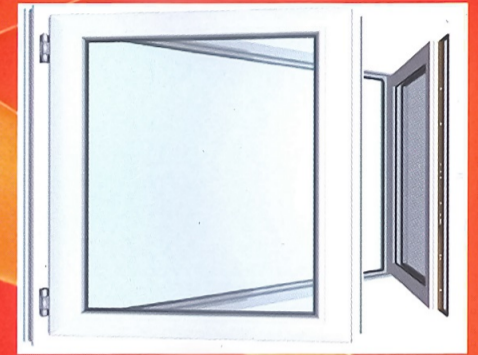
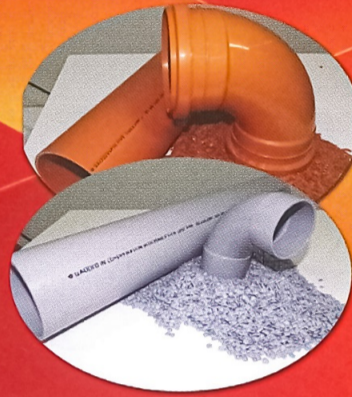
PVC Compounds For Cable Extrusion

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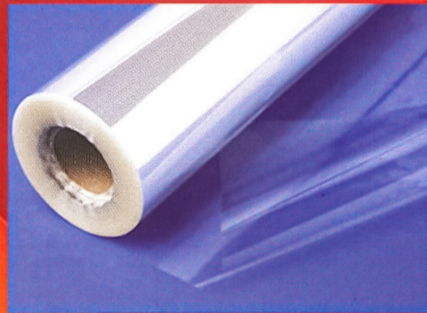
PVC Compounds For Upvc Pipes & Fittings and Window Profiles

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PVC Compounds For Bottles and Shrink films

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PVC Compounds For Shoe, Hose, Fence Window gaskets

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PVC Compounds for Cable Extrusion

QPCC-PVC Compounds
Typical Properties

Harmonized Insulation

Grade	International Standard	Specific Gravity (g/cc)	Hardness Shore A	Tensile Strength (N/mm ²)	Tensile Strength Retention (%)	Elongation (%)	Elongation Retention (%)	Loss of Mass (mg/cm ²)	Oxygen Index (%)
QC-TI 1A	TI 1 (BS 7655) 70° C	1.46	80	17.5	97.7	275	261	1.00	-
QC-TI 1B	TI 1 (BS 7655) 70° C	1.50	82	16.5	98.2	300	273	1.25	-
QC-TI 2A	TI 2 (BS 7655) 90° C	1.37	74	13	98.1	350	325	1.30	-
QC-T2B	TI 2 (BS 7655) 90° C	1.42	76	12	98.3	375	337	1.35	-
QC-T3A	TI 3 (BS 7655) 90° C	1.41	92	22	98.6	235	228	0.35	-
QC-T3B	TI 3 (BS 7655) 90° C	1.43	90	20	99.0	250	232	0.50	-

Harmonized Sheathing

Grade	International Standard	Specific Gravity (g/cc)	Hardness Shore A	Tensile Strength (N/mm ²)	Tensile Strength Retention (%)	Elongation (%)	Elongation Retention (%)	Loss of Mass (mg/cm ²)	Oxygen Index (%)
QC-T M101	TM 1 (BS 7655) 80° C	1.53	87	21	98.6	250	240	1.10	29
QC-T M102	TM 1 (BS 7655) 80° C	1.50	88	19	97.9	275	253	1.20	30
QC-T M201	TM 2 (BS 7655) 70° C	1.39	80	13.5	97.8	325	292	1.30	28
QC-T M202	TM 2 (BS 7655) 70° C	1.41	78	12.5	96.8	350	308	1.30	28

Frame Retardant

Garde	International Standard	Specific Gravity (g/cc)	Hardness Shore A	Tensile Strength (N/mm ²)	Tensile Strength Retention (%)	Elongation (%)	Elongation Retention (%)	Loss of Mass (mg/cm ²)	Oxygen Index (%)
QC -ST2 FR-3C	ST 2-90° C (IEC 60502,332-3C)	1.50	90	19	96.8	250	235	1.00	31
QC -ST2 FR/OR-3B	ST 2-90° C (IEC 60502,332-3C)	1.43	88	18	97.8	250	225	1.00	31
QC -ST2 FR/AT-3C	ST 2-90° C (IEC 60502,332-3C)	1.54	91	19	97.4	250	232	1.00	31
QC -ST 2FR-3A	ST 2-90° C (IEC 60502,332-3A)	1.45	88	17	97.1	250	232	1.00	31
QC -ST2 FR/OR-3A	ST 2-90° C (IEC 60502,332-3A)	1.52	88	18	97.2	250	230	1.00	32
QC -ST2 FR/OR-3C	ST 2-105° C (IEC 60502,332-3A)	1.43	86	16	98.1	250	230	1.00	32
QC -ST2 UV	ST 2-90° C (IEC 60502,332-3A)	1.57	89	14.5	98	220	200	1.50	30
QC -ST2 FR/1A	ST 2-90° C (IEC 60502,332-3A)	1.57	90	13.5	97.5	210	200	1.50	33
QC -TM3	ST 2-90° C (IEC 60502,332-3A)	1.48	86	15	98.5	230	210	-	-

General Sheathing

Garde	International Standard	Specific Gravity (g/cc)	Hardness Shore A	Tensile Strength (N/mm ²)	Tensile Strength Retention (%)	Elongation (%)	Elongation Retention (%)	Loss of Mass (mg/cm ²)	Oxygen Index (%)
QC -T501	TYPE 5 (BS 7655) 85° C	1.42	90	19	97.4	250	245	0.65	29
QC -T502	TYPE 5 (BS 7655) 85° C	1.45	88	17	98.8	275	264	0.75	29
QC -T601	TYPE 6 (BS 7655) 70° C	1.70	90	9	-	150	-	-	-
QC -T901	TYPE 9 (BS 7655) ST2 - 90° C	1.48	92	22	97.7	250	240	0.90	29

PVC Compounds-Rigid (Pipes, Fittings & Window Profiles)

PVC Compounds For Pipes

Type	Grade	Specific Gravity (g/cc)	Tensile Strength (MPa)	Elongation At Break (%) ²	IZOD Impact Strength (KJ / m)	Vicat Softening Point (°C)	Thermal Stability At 200°C (min)	Modulus of Elasticity (MPa)
Construction	QP-200	1.54	40	100	80	81	60	-
Pressure	QP-300	1.49	40	120	88	82	80	-
Non Pressure	QP-601	1.45	40	100	100	80	60	-
	QP-602	1.47	38	120	90	80	80	-
	QP-603	1.49	38	130	90	80	80	-

PVC Compounds for Fittings

Type	Grade	Specific Gravity (g/cc)	Tensile Strength (MPa)	Elongation At Break (%)	IZOD Impact Strength (KJ / m)	Vicat Softening Point (°C)	Thermal Stability At 200°C (min)	Modulus of Elasticity (MPa)
Pressure	QHF-300	1.44	33	140	39	82	120	1800
Non Pressure	QNF-600	1.46	26	140	70	80	90	2150

PVC Compounds for Window Profile

Type	Grade	Specific Gravity (g/cc)	Tensile Strength (MPa)	Elongation At Break (%) ²	IZOD Impact Strength (KJ / m)	Vicat Softening Point (°C)	Thermal Stability At 200°C (min)	Modulus of Elasticity (MPa)
Indoor	QW-650	1.55	40	100	33	81	120	2200
Out Door	QW-600	1.48	45	100	33	81	140	2200

PVC Compounds - T-Series Bottle Grades

Application - Bottle

Type	Grade	Specific Gravity (g/cc)	Hardness R Scale	Tensile Strength (MPa)	Elongation At Break (%)	IZOD Impact Strength (KJ / m)	Charpy Impact (KJ / m)	Thermal Stability At 200° C (min)	Volatile Matter (%)	VICAT Softening Point (°C)	Flexural Modulus (GPa)
General Purpose	QB -707 GP	1.35	117	44	160	3.3	1.9	70	0.20	72.5	2.2
Edible Oil	QB -707 EO	1.33	118	45	158	3.3	1.95	75	0.20	74	2.3
Fruit Juice	QB -707 IB	1.32	119	47	153	3.35	2.0	70	0.20	75.5	2.4

PVC Compounds - CZ BOT - 727

Application - Shrink Film

Type	Grade	Specific Gravity (g/cc)	Tensile Strength (MPa)	Elongation At Break (%) ²	Vicat Softening Point (°C)	Thermal Stability At 200°C (min)
Rigid	QSF -717 RG	1.32	50	20	72	75
Semi Rigid	QSF -717 SR	1.31	45	30	62	75
Soft	QSF -717 SF	1.29	30	40	50	75

PVC Compounds - Plasticized (Flexible)

Application - Shoe

Type	Grade	Specific Gravity (g/cc)	Hardness (Shore A)	Tensile Strength (MPa)	Elongation At Break (%)	Thermal Stability at 200°C
Foamy	QSH-055	1.22	55	16	350	65
Compact	QSH-075	1.24	75	15	300	65

Application - Hose

Type	Grade	Specific Gravity (g/cc)	Hardness (Shore A)	Tensile Strength (MPa)	Elongation At Break (%)	Thermal Stability at 200°C
Soft	QHO-500	1.22	55	16	285	65
Semi Rigid	QHO-575	1.31	75	15	275	65
Rigid	QHO-585	1.35	85	15	260	65

Application - Fence

Type	Grade	Specific Gravity (g/cc)	Hardness (Shore A)	Tensile Strength (MPa)	Elongation At Break (%)	Thermal Stability at 200°C
Semi Hard	QFE-090	1.29	90	21	310	75
Hard	QFE-096	1.31	96	21	300	75

Application - Window Gasket

Type	Grade	Specific Gravity (g/cc)	Hardness (Shore A)	Tensile Strength (MPa)	Elongation At Break (%)	Thermal Stability at 200°C
General	QGS-003	1.60	74	8	448	70
Frame	QGS-004	1.58	64	8	460	70

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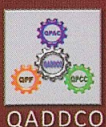


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