



Excellent external lubricant for C-PVC and PVC LOXIOI[®] 2307

APPLICATIONS

C-PVC pipes, fittings, plates and sheets

PVC pipes, window profiles, fittings in tin, calcium/zinc, and calcium-organic stabilized formulations

ADVANTAGES

- ✓ Superior advantages in production of bright, white end products
- ✓ Outstanding glossy surface properties
- ✓ Lowest influence on the Vicat softening point
- ✓ Increased productivity and cost savings by improved long run properties, reduced cleaning and change over time due to very low plate-out occurrences

Parameter	Value	Test Method
Dropping Point (°C)	80 - 90	DIN ISO 2176/AOCS Cc 18-80*
Acid value (mg KOH/g)	0 - 15	DIN EN ISO 2114/AOCS Te 1α-64:1997*

ADDITIONAL PROPERTIES

Hydroxyl value 0 - 15 mg KOH/g DIN 53240/AOCS Cd 13-60*

LOXIOI[®] 2307 proven superior advantages in whiteness and gloss

Test Formulation [phr]	PVC	100.0	Ca Stearate	0.5
	CaCO ₃	3.0	PE Wax	0.2
	Lubricant	0.8	Methyl tin mercaptide	0.7

Lubricant	Torque (Nm)	Pressure 1 (bar)	Pressure 2 (bar)	Output (g/min.)	Whiteness (%)	Gloss (%)
LOXIOI[®] 2307	8.3	73	23	132.3	56.1	79.4
Paraffin Wax	7.4	57	19	130.6	55.7	79.5
Polyol Ester	6.8	56	18	127.9	54.7	78.2

LOXIOI[®] 2307 is a white to slightly yellow, odorless product in free-flowing fine grained beads.

* DIN methods used by Emery Oleochemicals Germany/ISO, ASTM, AOCS methods used by Emery Oleochemicals Malaysia

LOXIOI® 2307 lowest influence on Vicat softening point

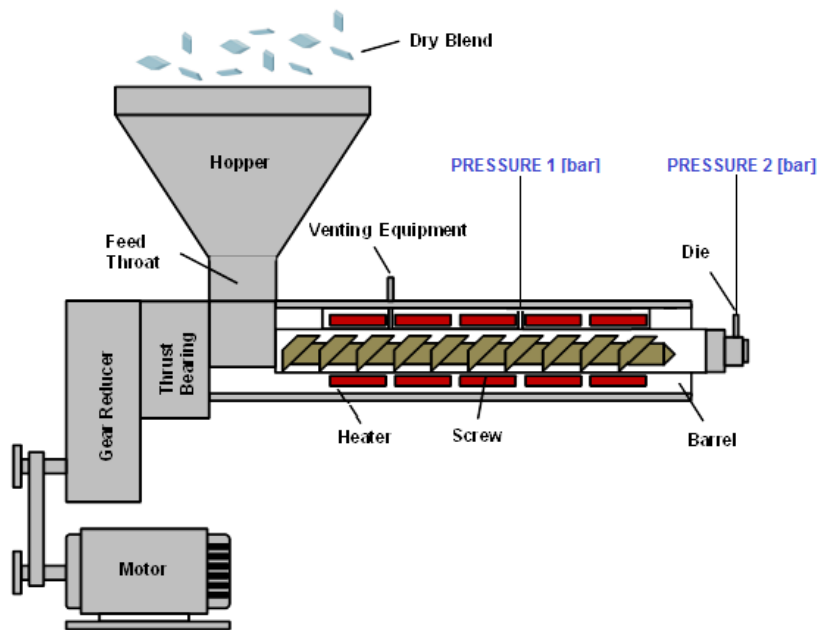
Test Formulation [phr]	C-PVC compound	111.3
	Lubricant	1.0

Lubricant	Vicat softening point (°C)
LOXIOI® 2307	147.1
Polyol ester	146.9
LOXIOI® G 70S	146.7
OP Wax	145.2
LOXIOI® G 60	143.5

LOXIOI® 2307 proven high-performance rheological properties and lowest plate-out results

Test Formulation [phr]	PVC	100.0	Ca Stearate	0.5
	CaCO3	3.0	Stabilizer	2.5
	Lubricant	0.3		

Lubricant	Torque (Nm)	Pressure 1 (bar)	Pressure 2 (bar)	Output (g/min.)	Low Plate-Out Occurrences
LOXIOI® 2307	13.7	88	28	293.3	Excellent
Polyol Ester	13.4	89	26	286.8	Moderate
Paraffin Wax	13.4	86	27	288.5	Poor
PE Wax	13.9	89	27	293.9	Poor



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