Technical Data Sheet

Polyol Sanyol 1860

Revision: July 2026

Product Description

Sanyol 1860 is a formulated polyol for the production of PU foam via reaction with polyisocyanate in the presence of a blowing agent. The produced foam is applied with spray equipment on different substrates having fast reaction times, no sagging, and no dust production. The spray PU foam made by Sanyol 1860 possesses remarkable performance of filling, thermal insulation, damp-proof insulation, waterproofing, and gas resistance. These features can grant healthier and safer buildings while saving more energy.

Application Area

PU Foams made with this product are used for the production of rigid-core thermal-insulator spray foam applicable in construction applications.

Benefits

- Thermal and moisture insulations
- No shrinkage
- Good demolding
- Waterproofing
- Suitable for energy saving
- No dust spreading during spray application
- Without sagging

Processing Conditions

The Sanyol 1860 system can be processed by a high-pressure (or low-pressure) machine. It is essential to have equipment that consistently delivers accurate amounts of polyol and isocyanate to be mixed to achieve production with high performance.

Safety, Storage & Handling

The B-component (polyisocyanate, PM-200 or KP-200) irritates the eyes, respiratory organs, and the skin. Sensitization is possible through inhalation and skin contact. MDI is harmful by inhalation. On processing these, take note of the necessary precautionary measures described in the Material Safety Data Sheets (MSDS). Sanyol 1860 should be kept in properly sealed, moisture-tight containers and stored indoors at ambient temperature (15-35 °C) in dry and well-ventilated areas.

Package(s)

Iron drums, IBC tanks, gallons, and other suitable packages, if necessary.

Shelf Life

Under recommended conditions, the shelf life is six months from the date of production.

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Product Specification

Property	Unit	Value	Test Method/Standard
Appearance	-	Light Red Liquid	Visual
Viscosity at 25 (°C)	cps	2000 – 4000	ASTM D4878
Density at 25 (°C)	g/cm^3	1.02 ± 0.05	ASTM D4669

Parameters of PU Foam

Property	Unit	Value	Test Method/Standard
Sanyol 1860/ISO	(w/w)	100/100-110	Calculated
Mixing Time	sec	10	-
Mixer Speed	rpm	5000	-
Cream Time	sec	3 – 4	ASTM D7487
Tack Free Time	sec	5 – 7	ASTM D7487
Free Rise Density	kg/m^3	40 ± 2	ASTM D7487

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