



FOAMIPCO

Foamiran Polymer Group

POLYRAN V-900

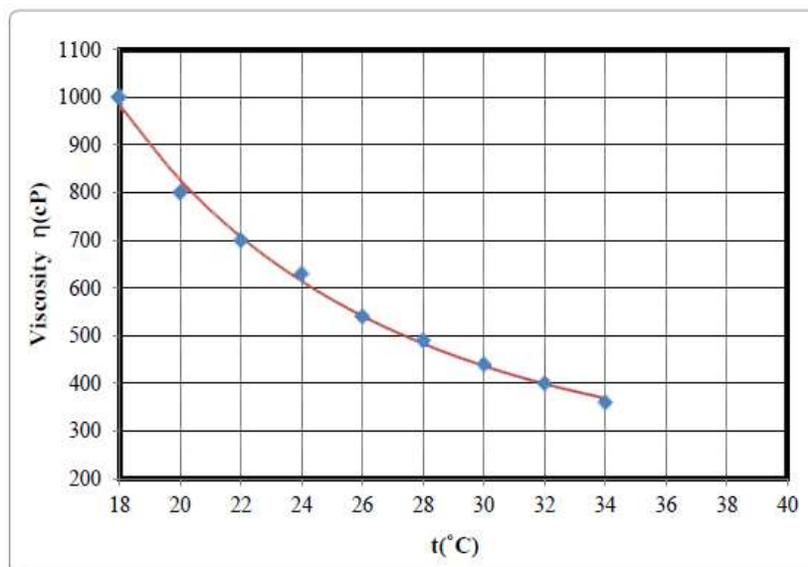
POLYRAN V-900 is a vegetable oil based 900 molecular weight polyester polyol which can be blended with conventional petroleum based polyether polyol up to 50 percent for producing a broad range of flexible polyurethane foam types for automotive, furniture, bedding application and shape memory foams.

POLYRAN V-900 is also suitable for producing rigid polyurethane foams which are used in sandwich panels or other applications.

Typical Properties

Appearance	Clear liquid
Color	Yellow
Hydroxyl number, mg KOH/g	164
Acid number, mg KOH/g	2 max
Water content, wt.%	0.25 max
Average molecular weight	900
Functionality	2.7
Specific gravity at 25°C	0.958-0.969

Viscosity vs. Temperature



Flexible Foam Formulations

POLYRAN V-900	50	50	30
Polyether Polyol (3500/48)	50	50	70
Silicone Oil (Niax L-580)	1.1	0.9	0.9
Amine (DABCO 33-LV)	0.15	0.25	0.25
Tin Catalyst (DABCO T-9)	0.36	0.2	0.2
Water	4.8	3	3.5
Methylene Chloride	6	-	-
Diethanolamine	-	-	0.1
MS-HR Filler Powder	-	-	25
TDI	72.4	50.2	55.8
Index	115	110	110
Density(kg/m³)	17	30	30

Rigid Foam Formulation

POLYRAN V-900	90
Glycerol	10
Water	3
POLYCAT 5(Blowing Catalyst)	1.26
POLYCAT 8(Gelling Catalyst)	0.84
DABCO DC-5357(Surfactant)	2.5
PAPI 27(PMDI) Index=110	136.9

Note: All of the above formulations are in accordance with the ASTM D3574 standard.

PACKING

In 225 kg New MS Drums

HAZARD IDENTIFICATION

Contact may cause eye irritation.

SIGNS-SYMPTOMS OF OVEREXP/FIRST AID MEASURES

Signs/Symptoms of overexp: Eyes–Redness, Tearing, Burning sensation, discomfort, Ingested, Hauses, Vomiting, Diarrhea.

First Aid Measures

Eye: Flush thoroughly with water for 15 minutes. If irritation develops, consult a Doctor.

Skin: Wash with soap and water.

HMIS: Ingested, Get Medical Aid or Consult with Doctor.

MEASURE IN CASE OF FIRE

Extinguishing media: None specified by manufacturer.

HMIS: Wear self-contained breathing apparatus and full protective gear.

MEASURE BY ACCIDENTAL SPILLAGE/LEAKAGE

Spill Clean-up Methods: Collect and reclaim or dispose in sealed containers in licensed waste.

STORAGE AND HANDLING

Usage precautions: Keep away from heat, sparks and open flame. Avoid spilling, wash thoroughly after handling.

STABILITY AND REACTIVITY

Stability: Yes, Avoid contact with strong oxidizing agents.

INFORMATION ON TOXICITY

Toxicological information: Non-Toxic

Carcimogenicity: None to our knowledge