



## XPS COMPOUND

### Product Description:

XPS Compound is easy flowing crystal polystyrene designed for extrusion or injection applications. It improves extruder output and thermoforming cycle time when mixed with a high impact polystyrene such as HIPS7240. It is particularly suitable for glossy-layer co extrusion. This grade has food contact approval. These PS compound will be exported with the HS code 39039000.

Petronourmehr International Trading Co. is able to supply grade 1, 2 and 3 compounds for the production of XPS insulation sheets. Grade 1 is made of high quality materials, Grade 2 is made of a combination of high and medium quality materials and Grade 3 is made of a combination of medium and low quality materials which means that Grade 1 has a higher price than the others.

### Main application:

- Floor insulation. Insulation wall. Cold storage floors.
- Covering the roof of the shed Roof insulation (inverted roof, green roof, sloping roof insulation).
- XPS insulating foam for transportation infrastructure such as airport runways, railways and roads.
- Foundation of buildings, sheds and poultry houses.

Suitability for use in any application should be determined by appropriate performance testing.

### Storage:

In manner to prevent of a direct exposure of sun light or heat the storage area should be dry and preferably don't exceed 50 °C.

### Typical data:

SAMPLE	TEST	VALUE	UNIT	METHOD	TEST RESULT
Grade 1	MFI (200°C, 5Kg)	9-12	gr/10min	ASTM D1238	11.5
	Density	1.1	gr/cm <sup>3</sup>	ASTM D1505-68	1.07
	ASH	<1.5	%	ASTM D5630-94	0.75
Grade 2	MFI (200°C, 5Kg)	12-16	gr/10min	ASTM D1238	15
	Density	1.1	gr/cm <sup>3</sup>	ASTM D1505-68	1.05
	ASH	<1.5	%	ASTM D5630-94	0.1
Grade 3	MFI (200°C, 5Kg)	12-16	gr/10min	ASTM D1238	13
	Density	1.1	gr/cm <sup>3</sup>	ASTM D1505-68	1.03
	ASH	<4	%	ASTM D5630-94	2.6

