

## PLASADD® PE9041



PLASADD® PE9041 is a polyethylene based masterbatch containing a fast migration slip agent. It is designed for use in moulding, extrusion and film applications where slip properties are required.

Plastic surfaces can stick together for example by blocking or when there is a build-up of static electricity caused by friction during manufacture. To eliminate or reduce this problem, slip agents can be used which will allow plastic surfaces to slide over one another more easily. The slip additive migrates to the surface very quickly reducing or eliminating blocking between two plastic parts.

Slip agents are generally unsaturated amides which are incompatible with the polymer and migrate to the plastic surface, the rate depending on the molecular weight of the slip agent used and its incompatibility with the polymer.

When using PLASADD® PE9041 in LDPE migration starts immediately and reaches full performance in a matter of hours. A lubricated plastic surface is thereby formed giving the required slip properties. Fast migration additives (oleamides) may sometimes create winding, sealing and printing problems. In this case the use of a PLASADD® masterbatch containing erucamide is recommended (e.g. PLASADD® PE9020). It is also an effective mould release agent in moulding applications.

It is suitable for use in a wide range of plastics that come into contact with food. For more details regarding the food contact compliance in various European countries, please refer to the relevant Food Contact Statement that you can obtain through your usual Cabot representative.

### METHOD OF ADDITION

It is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

### ADDITION RATE

The recommended addition level is 0.75% to 2% by weight of the mb, depending on the thickness of the product, the extrusion conditions & the final application. When used as a mould release agent 1% by weight of the mb is recommended.



**PHYSICAL PROPERTIES**

PROPERTY	VALUE	TEST METHOD (*)
Carrier	LDPE	
Additives	8 % oleamide	
Colour	pellets have a translucent appearance	
Compatibility	LDPE, LLDPE, HDPE, PP, EVA and other ethylene copolymers	
Density @ 23°C	910 kg/m <sup>3</sup>	CTM E023
MFI 2.16kg/190°C	16 g/10 min	CTM E005 (ISO 1133)

(\*) Tests are performed according to Cabot Test Methods (CTM) based on international Standards

Quoted test results should not be used for specification purposes but are typical test values intended for guidance only.

**PACKAGING**

PLASADD® PE9041 is supplied in regular pellet form packed in 25 kg bags. It should be stored in a cool, dry place.

Recommended storage life: up to 3 months provided it is stored as directed.

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