

Nucleating & Clarifying Agent

Nucleating agents are widely used to modify the properties of various polymers. The rate of crystallization and the size of the crystals have a strong impact on the mechanical and optical properties after conversion of the plastic, Especially in polypropylene.

The addition of nucleating agents to the semi-crystalline polymers provides a surface on which the crystal growth can start. As a consequence, fast crystal formation will result in many small crystal domains. Cycle times in injection molding are reduced. Mechanical properties like flexural modulus, strength, heat distortion temperature and hardness will increase. The clarity and transmittance will improve. Nucleating agents used for optimizing the optical properties are called clarifying agents.

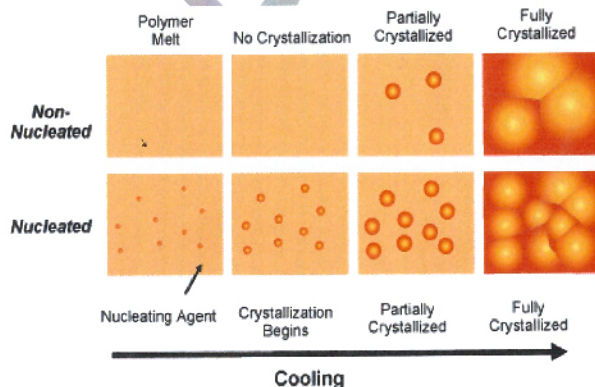
Key Characteristics

- Improve Transparency
- Upgrade to almost PPR level
- Reduce Cycle time in Injection Molding
- Improves Stiffness

Product Code	Active Content	Base Polymer	Dosage
Additive D10-1080 Nucleating & Clarifying Agent	5 %	PP	0.5 - 1 %

Application

PP Containers
PP cans & Closures
PPR Pipes



Disclaimer:

All information is given in good faith. Above all data obtained under standard conditions with our testing facilities, may vary under different conditions. It is recommended to test the above properties to finalize the use of the product for specific and particular applications.