

Addcomp ADD-VANCE® NU 489 Nucleation masterbatch, PP based

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Fields of application: Extruded and injection molded articles made from PP resins.Examples: Extruded PP sheets, films, tapes and blow molded and injection molded articles, such as garden furniture, and automotive parts.Mode of action and advantages: ADD-VANCE® NU 489 contains a very effective nucleating agent that outperforms traditional nucleation agents like talc, benzoate salts and phosphate ester salts. Nucleating agents increase the crystallization rate of and the number of spherulites in the polymer. A faster crystallization rate allows for higher productivity in moulding and extrusion processes. An increased number of spherulites in the polymer improves the stiffness and heat deflection temperatureAdvantages: The nucleating agent realises very high crystallization temperatures (> 125 oC), thus leading to significant reductions in cycle time; Improved and more isotropic mechanical properties, for instance increased stiffness. Up to 20% improvement in HDT (heat deformation temperature) and up to 10% improvement in flexural modulus can be achieved, while Gardner and Izod impact remain comparable; Pigment nucleation leveling: the nucleating agent overrides the nucleating effect of different pigments. Thus, products that are made in various colors will have identical dimensions and quality; Improved product isotropy providing more controlled shrinkage and less warpage, so higher quality products; Elimination of surface defects and voids; Non-sticking pellets, dust free dosing; and Safe and easy handling.Information provided by ADDCOMP

Order this product through the following link:

http://www.lookpolymers.com/polymer_Addcomp-ADD-VANCE-NU-489-Nucleation-masterbatch-PP-based.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------------|------------------------------------|----------|
| Bulk Density | 0.500 - 0.650 g/cc | 0.0181 - 0.0235 lb/in ³ | |

| Thermal Properties | Metric | English | Comments |
|-----------------------------|-----------|-----------|----------|
| Crystallization Temperature | >= 125 °C | >= 257 °F | |

| Processing Properties | Metric | English | Comments |
|------------------------|-----------|-----------|----------|
| Processing Temperature | <= 300 °C | <= 572 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------------|----------|
| Appearance | White/off-white granules | |
| Dosing Level | 2.5-5% | |

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