

DuPure[®] U 01 NP

Polypropylene Homopolymer – Non Pelletized

Description

DuPure U 01 NP is a non-pelletized polypropylene homopolymer (produced with a phthalate-free catalyst) supplied in the form of unstabilized free flowing powder. The spherical shape and narrow particle size distribution (with low fines content) makes DuPure U 01 NP very suitable for mixing with additives, liquids, fillers and (color-)pigments, and for compounding with other polymers (e.g. S(E)BS, EPDM resins).

Applications

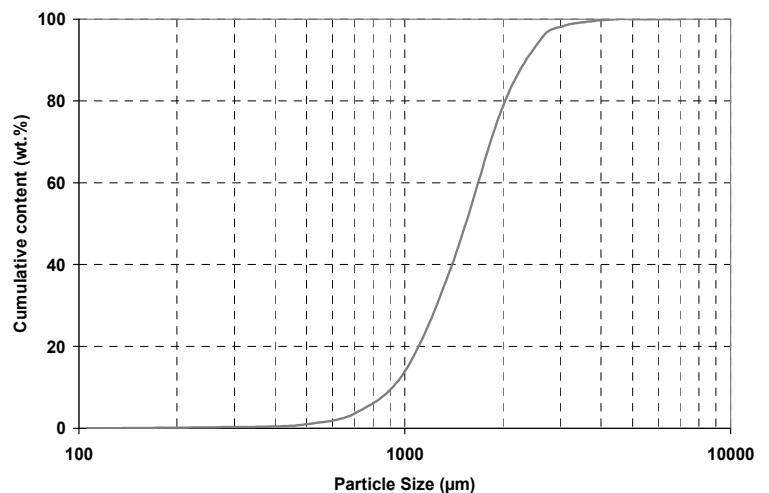
DuPure U 01 NP is suitable for: Compounding, Masterbatches

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.ducorchem.com>

| Properties | | Method | Typical Value* | Unit |
|-------------------------|-------------------|-----------|----------------|-------------------|
| Physical | | | | |
| Melt Flow Rate | (230 °C/ 2.16 kg) | ISO 1133 | 50** | g/10 min |
| Mechanical | | | | |
| Tensile Modulus | (1 mm/min) | ISO 527-2 | 1600 | MPa |
| Thermal | | | | |
| Melting Point, DSC | | ISO 3146 | 163 | °C |
| Other Properties | | | | |
| Density | | ISO 1183 | 0.91 | g/cm ³ |

Particle Size Distribution



* Typical values; not to be construed as specifications

** The indicated Melt Flow Rate (MFR) is obtained by premixing the non-pelletized resin with an additive blend, consisting of: 0.25-0.5% Primary (e.g. phenolic) anti-oxidant, 0.25-0.5% Secondary (e.g. phosphite) anti-oxidant, and 0.05 - 0.1% Acid scavenger (e.g. Calcium stearate), prior to the MFR measurement

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Last updated: February 2025

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