

DuPure[®] QR 01 NP

Polypropylene Random Copolymer – Non Pelletized

Description

DuPure QR 01 NP is a non-pelletized polypropylene random copolymer (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 QR 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). The low melting point enables easy dispersion, of e.g. masterbatches based on DuPure QR 01 NP as carrier resin.

Applications

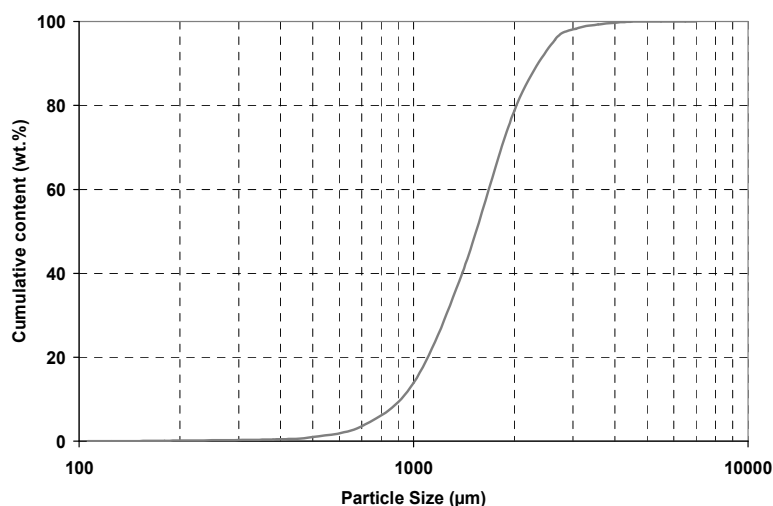
DuPure QR 01 NP is suitable for: Compounding, Masterbatches

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	13**	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1000	MPa
Thermal				
Melting Point, DSC		ISO 3146	145	°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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