

ELECTRICALLY CONDUCTIVE PRE-ELEC® PP CONCENTRATE MONOFILAMENTS AND TAPES

PREMIX



Premix introduces a new electrically conductive PRE-ELEC® PP concentrate for polypropylene raffia tape and monofilament fibers.



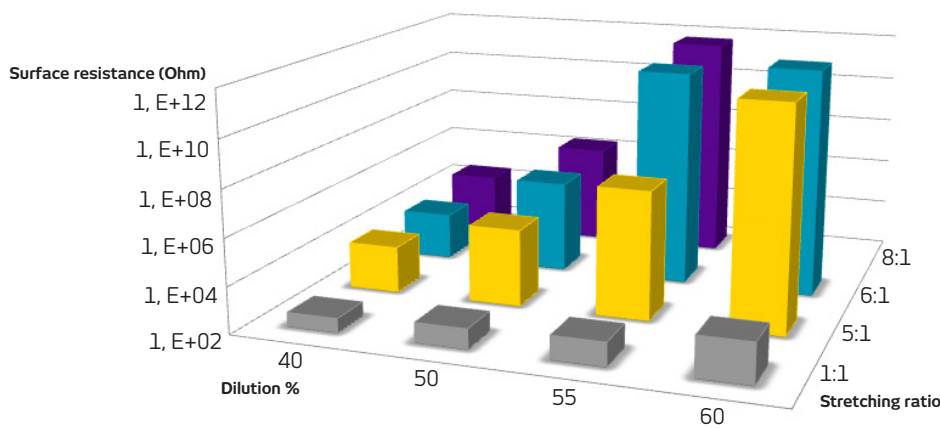
PRE-ELEC® PP 1353 is especially designed for monofilament and tape extrusion. It offers optimum balance of strength, toughness and extensibility. Typical applications cover groundable non-woven fabrics for powder packaging e.g. FIBC type C.

PRE-ELEC® PP 1353 can be diluted up to 65% with polypropylene homopolymer (MFI 20-35; 2,16kg).

- Excellent processability. Special stabilisation package protects material during extrusion.
- Optimized thermal and mechanical properties.
- Stable electrical properties even at high stretching ratios.
- Concentrate enables freedom to adjust raw material price and surface resistance levels.

ELECTRICALLY CONDUCTIVE PRE-ELEC® PP 1353 CONCENTRATE

SURFACE RESISTANCE AT VARIOUS DILUTION LEVELS AND STRETCHING RATIO



MECHANICAL PERFORMANCE IN DIFFERENT DILUTION LEVELS

PRE-ELEC® PP 1353	Unit	40% PPH	50% PPH	55% PPH	60% PPH
Tensile stress at Yield ¹⁾	MPa	29	29	30	30
Elongation at Yield ¹⁾	%	11	10	10	10
Flexural modulus ²⁾	MPa	1315	1315	1315	1315
Izod Unnotched +20°C ²⁾	kJ/m ²	NB	NB	NB	NB
Izod Notched +20°C ²⁾	kJ/m ²	8	8	8	8
HDT at 0.46 MPa ²⁾	°C	82	83	86	102

¹⁾ Test specimen: 600 µm thick extruded sheet

²⁾ Test specimen: 4 mm thick, 10 mm wide moulded rod
Dilution with PPH, MFI 35 (230 °C / 2.16 kg)

Download product data sheet from www.premixgroup.com.

In case you are looking for electrically conductive plastic compound or concentrate with special features do not hesitate to contact us. We are glad to tailor a compound meeting your exact demands.

PREMIX OY (HEAD OFFICE)

P.O. Box 12
Muovitie 4
FI-05201 Rajamäki
Finland
Tel. +358 9 878 041
Fax +358 9 8780 4400
firstname.lastname@premixgroup.com
www.premixgroup.com

PREMIX EUROPE GmbH

Sitz der Gesellschaft:
41564 Kaarst, GERMANY
HBR: 14540 (Amtsgericht Neuss)
Geschäftsführerin: Frau Hanna Ristola
Büro: Nordhackstedter Str. 14
24980 Schafflund, Germany
Tel: +49 4639 - 7832 15
Fax: +49 4639 - 7832 16

PREMIX TRADING (Shanghai) Ltd

Room 401-21, #2 Building, 690 Bibo Road
201203 Shanghai
China
Tel: +86 21-61042268
www.premixgroup.cn

