



#### **FUNCTIONAL MASTERBATCH TECHNOLOGY**

Pulcra@2spin is a range of solid masterbatch additives, providing different functionalities for a wide range of man-made fibres.



#### **Functionalities include:**

- soft touch (100 series)
- flame retardant properties (200 series)
- dyeable PP (400 series)
- friction control (400 series)
- odour control (700 series)

## **HOW IT WORKS**

The functional masterbatches need to be added during the extrusion process prior to the melting of the polymer by means of a dosing unit. Different Pulcra@2spin products are available for different polymers, including PP, PA, PES or PLA. All our innovations are tested on the Spin Master, a semiindustrial extrusion and spinning line developed to facilitate and accelerate the transfer of technology from lab scale to industrial scale.



# **APPLICATIONS**

Carpets, Upholstery, Non-wovens, Staple fibres, monofilament, clothing & apparel, ...









### **FUNCTIONALITIES** & POLYMERS



FUNCTIONALITY	PP	PA	PES	PLA
SOFT TOUCH (100 SERIES)	<b>√</b>	$\checkmark$		✓
FLAME RETARDANT PROPERTIES (200 SERIES)	$\checkmark$	$\checkmark$	$\checkmark$	*
DYEABLE PP (400 SERIES)	$\checkmark$			
FRICTION CONTROL (400 SERIES)	✓		✓	
ODOUR CONTROL (700 SERIES)	$\checkmark$	$\checkmark$	$\checkmark$	

<sup>\*</sup> PLA tested only

## **PRODUCT FEATURES:**

- The functionality is locked into the fibre to increase durability.
- Broad range of functionalities.
- No adverse effects on appearance, weight and colour.
- More flexibility in dosing level and usage.

- Easy use and monitoring of consumption.
- Sustainable technology: no additional cleaning, water or energy required in the downstream production process.
- No to little impact in the production process.

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