



**VIBRANTZ**  
TECHNOLOGIES™

# NIR Reflecting Pigments

Our technology helps  
make black and dark plastic  
packaging recyclable.

# Leading supplier of near infrared (NIR) reflecting pigments for food contact plastics

Modern plastic recycling operations utilize NIR technology in their processing equipment to sort materials efficiently. Under such conditions, plastic materials colored with traditional carbon black pigment are largely undetectable in sorting machines, causing plastics that could and should be recycled to be unnecessarily discarded and ultimately contributing to landfill waste.



Vibrantz offers a portfolio of sustainable alternative NIR-detectable black pigments for black and dark plastic recycling that are FDA and EU 10/2011 compliant.

24-3950 FCP	Nubifer NB-803K FCP
<b>Pigment Brown 29 (C.I. 77500)</b>	<b>Pigment Black 33 (C.I. 77537)</b>
$(Cr, Fe)_2O_3$	$(Mn, Fe)_2O_3$
Chromium (3+) Iron (3+) trioxidandiide	Red FGR
<b>24-3950 FCP</b>	<b>Nubifer NB-803K FCP</b>
>500°C (5 min) heat fastness	>500°C (5 min) heat fastness
High NIR reflectance	Moderate NIR reflectance but cost effective option
<b>24-3950 FCP</b> is bluer than <b>NB-803K FCP</b> with higher Color Strength, but <b>NB-803K FCP</b> is more cost effective	
Each production lot is certified for low heavy metals limits (*) according to AP(89)	
<b>FDA cleared substance for Ferro grades - Food Contact Notification (FCN)</b> valid as of June 30, 2020	
Both grades comply with EU 10/2011 (**)	

By an accurately controlled production process, Nubifer NB-803K FCP offers an extremely low level of magnetism.



**Vibrantz Technologies** and **Picvisa** join forces to improve the recyclability of black and dark plastics.

Scan to watch our NIR reflecting pigments product video.



Learn more about how Vibrantz continues to innovate sustainably at [vibrantz.com](https://vibrantz.com).