



TOTAL
COMMITTED TO BETTER ENERGY



ACESO[®] AND HEALTHCARE GRADES

For syringes

SYRINGES

Total's answer....

The **Aceso® PP** homopolymer grades have been designed to fulfill the requirements of prefilled syringes while the **Lumicene® PP** random grades perfectly suit those of non-prefilled 3-part syringes.

Aceso® grades:

<i>Aceso®</i>	<i>Melt Flow Index (230°C - 2.16 kg) g/10 min</i>	<i>Flexural Modulus MPa</i>	<i>Characteristics</i>
PPM H250	25	1250	Drug Master File
PPM H350	35	1500	

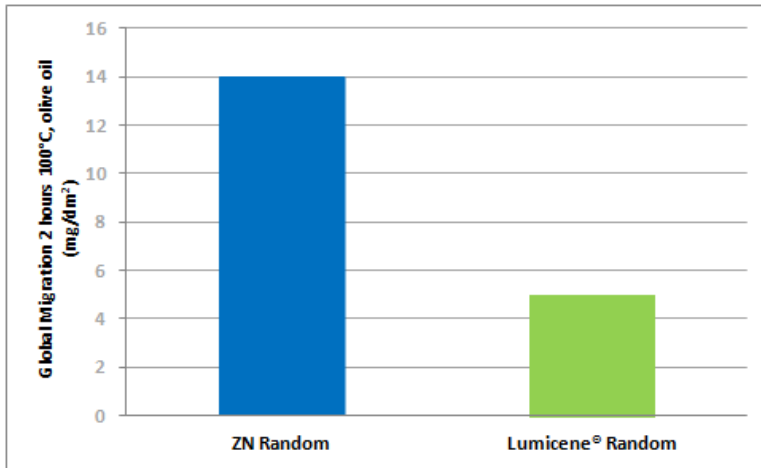
Lumicene® random polypropylene

<i>Lumicene®</i>	<i>Melt Flow Index (230°C - 2.16 kg) g/10 min</i>	<i>Flexural Modulus MPa</i>	<i>Characteristics</i>
MR30MC2	30	1250	behaves like a ZN 25 g/10 min
MR60MC2	60	1250	behaves like a ZN 40 g/10 min

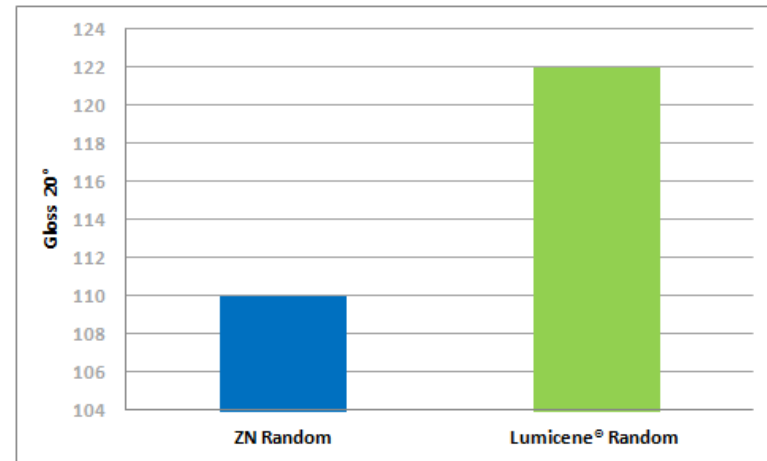
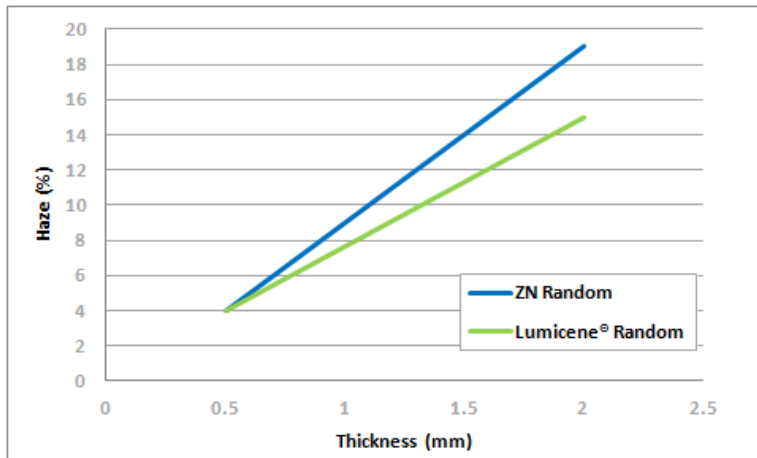
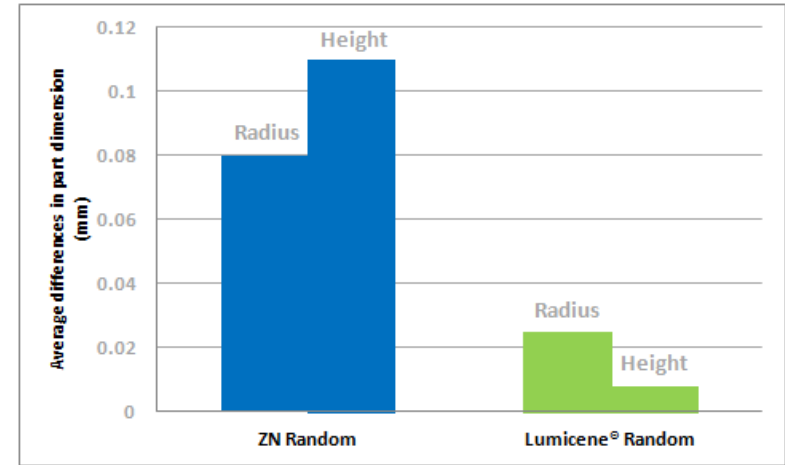
WHAT TOTAL CAN OFFER



Lower migrations



Outstanding molding stability



Higher optics