

**APR Rigids Committee**

**2015/2016 Polypropylene PCR “Fit for Use” Non- FDA Demand Survey Results**

|                        |   | Is your application odor sensitive? | What color PCR is required for your application?<br>(Please select natural if it is ABSOLUTELY required) | When might you use this PCR?                              |
|------------------------|---|-------------------------------------|--|---|
| <b>Melt Flow Index</b> | <b>Volume</b>   | <b>Odor Tolerance</b>               | <b>Color</b>   | <b>Timeframe</b>  |
|                        | <b>Potential PCR Usage<br/>(Pounds/Year)</b>  | <b>* Yes<br/>* No</b>               | <b>* Natural<br/>* White/Colorable<br/>* Gray/Blend for Darker Colors<br/>* Black</b>                    | <b>*Currently Using<br/>* &lt; 1 year<br/>* 1-3 years</b> |
| <b>&lt;7</b>           | <b>24.5 - 25 MM</b>   | <b>Yes</b>                          | <b>Natural</b>   | <b>1 - 3 years</b>  |
|                        | <b>0.5 - 1 MM</b>   | <b>Yes</b>                          | <b>White/Colorable</b>   | <b>1 - 3 years</b>  |
|                        | <b>3.5 - 5 MM</b>   | <b>No</b>                           | <b>Grey/Blend for Darker Colors</b>  | <b>Currently Using</b>                                    |
|                        | <b>10.5 - 11 MM</b>   | <b>Yes</b>                          | <b>Grey/Blend for Darker Colors</b>  | <b>&lt; 1 year</b>  |
|                        | <b>Of this demand, approximately 28 MM is homopolymer type material and approximately 14 MM is copolymer type material.</b> |                                     |  |   |
| <b>7 - 25</b>          | <b>9 - 9.5 MM</b>   | <b>Yes</b>                          | <b>Natural</b>   | <b>1-3 years</b>  |
|                        | <b>0.5 - 1 MM</b>   | <b>No</b>                           | <b>White/Colorable</b>   | <b>Currently Using</b>                                    |
|                        | <b>0.5 - 1 MM</b>   | <b>No</b>                           | <b>White/Colorable</b>   | <b>1 -3 years</b>   |
|                        | <b>0.5 - 1 MM</b>   | <b>Yes</b>                          | <b>White/Colorable</b>   | <b>Currently Using</b>                                    |
|                        | <b>3.5 - 4.0 MM</b>   | <b>Yes</b>                          | <b>White/Colorable</b>   | <b>&lt; 1 year</b>  |
|                        | <b>9.5 - 10 MM</b>  | <b>Yes</b>                          | <b>White/Colorable</b>   | <b>1 - 3 years</b>  |
|                        | <b>61.5 - 62 MM</b>   | <b>No</b>                           | <b>Grey/Blend for Darker Colors</b>  | <b>Currently Using</b>                                    |
|                        | <b>0.5 - 1 MM</b>   | <b>Yes</b>                          | <b>Grey/Blend for Darker Colors</b>  | <b>&lt; 1 year</b>  |
|                        | <b>10.5 - 11 MM</b>   | <b>No</b>                           | <b>Grey/Blend for Darker Colors</b>  | <b>1 - 3 years</b>  |
|                        | <b>2.5 - 3 MM</b>   | <b>Yes</b>                          | <b>Grey/Blend for Darker Colors</b>  | <b>1 - 3 years</b>  |
|                        | <b>9 - 9.5 MM</b>   | <b>No</b>                           | <b>Black</b>   | <b>Currently Using</b>                                    |



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|  |   | Is your application odor sensitive? | What color PCR is required for your application?<br>(Please select natural if it is ABSOLUTELY required) | When might you use this PCR?                  |
|--|---|-------------------------------------|--|---|
| Melt Flow Index  | Volume                                  | Odor Tolerance                      | Color  | Timeframe                                     |
|  | Potential PCR Usage<br>(Pounds/Year)    | * Yes<br>* No                       | * Natural<br>* White/Colorable<br>* Gray/Blend for Darker Colors<br>* Black                              | *Currently Using<br>* < 1 year<br>* 1-3 years |
|  | 3 – 3.5 MM                              | Yes                                 | Black  | Currently Using                               |
|  | 0.5 – 1 MM                              | Yes                                 | Black  | < 1 year                                      |
| Of this demand, approximately 19 MM is homopolymer type material and approximately 98 MM is copolymer type material.   |   |                                     |  |   |
| 26 – 50  | 33.5 – 34 MM                            | Yes                                 | Natural  | 1-3 years                                     |
|  | 6.5 – 7 MM                              | No                                  | White/Colorable  | Currently Using                               |
|  | 0.5 – 1 MM                              | No                                  | White/Colorable  | 1-3 years                                     |
|  | 4.5 – 5 MM                              | Yes                                 | White/Colorable  | < 1 year                                      |
|  | 8.5 – 9 MM                              | Yes                                 | White/Colorable  | 1 – 3 years                                   |
|  | 0.5 – 1 MM                              | Yes                                 | Grey/Blend for Darker Colors   | < 1 year                                      |
|  | 60.5 – 61 MM                            | Yes                                 | Black  | Currently Using                               |
| Of this material, approximately 48 MM is homopolymer type material, approximately 61 MM is copolymer type material and approximately 9 MM is “Any PP PCR” type material. |   |                                     |  |   |
| >50  | 4.5 - 5 MM                              | Yes                                 | Black  | Currently Using                               |
|  | All of this is copolymer type material. |                                     |  |   |