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(54) Title: A PROCESS FOR INCREASING THE CONTENT OF 2,4-BIS[4-(2-ETHYLHEXYLOXY)-2-HYDROXYPHENOL]-6-(4-METHOXYPHENOL)-1,3,5-TRIAZINE (BEMT) IN A COMPOSITION COMPRISING BEMT

(57) Abstract: A process for increasing the content of 2,4-bis[4-(2-ethylhexyloxy)-2-hydroxyphenol]-6-(4-methoxyphenol)-1,3,5-triazine (BEMT) in a composition comprising BEMT, the process comprising the steps of a) providing a composition comprising BEMT and impurities; b) dissolving said composition in a solvent mixture at a first dissolving temperature yielding an unsaturated BEMT solution, wherein the solvent mixture comprises at least one polar solvent; c) decreasing the temperature of the unsaturated BEMT solution to a saturation temperature, wherein the saturation temperature is lower than the first dissolving temperature, yielding a saturated BEMT solution; d) further decreasing the temperature of the first saturated BEMT solution to a first crystallization temperature, wherein the first crystallization temperature is lower than the saturation temperature, thereby yielding a supersaturated BEMT solution; e) adding seed crystals of BEMT in an amount in the range of from 0.00001 wt.-% to 20 wt.-% with respect to the total weight of said composition to the supersaturated BEMT solution during step d) yielding a first BEMT suspension comprising BEMT particles; f) heating the first BEMT suspension to a second dissolving temperature yielding a second BEMT suspension comprising less BEMT particles than the first BEMT suspension, wherein the second dissolving temperature is higher than the first crystallization temperature and lower than the first dissolving temperature; g) decreasing the temperature of the second BEMT suspension to a second crystallization temperature yielding a final BEMT suspension comprising larger BEMT particles than the first BEMT suspension; h) isolating the BEMT particles from the final BEMT, wherein the second crystallization temperature is lower than the first crystallization temperature.

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