



Wellgo Chemical Technology Co., LTD
PETS
(Pentaerythritol stearate)

PRODUCT NAME WELLGO PETS

PRODUCT TYPE Food grade

CAS No.: 115-83-3

COMPOSITION AND DESCRIPTION

Color White to off-white powder **Taste** Neutral, little fatty

CHEMICAL/PHYSICAL SPECIFICATIONS

Item	PETS-3	PETS-4	PETS-1
Acid value(mgKOH/g)≤	2	2	1
Iodine value(gI ₂ /100g)≤	2	2	5
Hydroxyl value (mgKOH/g)	55-65	20-35	≤12
Saponification value (mgKOH/g)	185-201	185-201	195-201
Melting point (°C)	50-60	55-65	60-70

APPLICATION AREAS:

PETS is short for Pentaerythritol stearate, it usually appear as white solid wax with high melting point chemical product. It is soluble in alcohol and benzene

MAIN APPLICATIONS:

1. Good thermal stability and low volatility at high temperatures; good demoulding and flow properties; and outstanding thermal stability of PETS APAs enabling it to be used in the processing of such systems without fear of degradation (thermal decomposition Temperature greater than 300 degrees Celsius).
2. Has excellent nucleation effect on partially crystalline plastics, which can significantly improve the transparency and surface finish.
3. The use of PC, PA and other fiber materials can significantly improve the phenomenon of floating fiber.
4. During extrusion and molding processes, PETS is an effective internal and external lubricant for many polymers.
5. Recommended for PC, PET, PBT PC alloy, PPO, PPS and other thermoplastic engineering plastics.

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6. Excellent dispersing effect in PC, PET, PBT, PC / ABS, PPS masterbatch.
7. Can also be used for ABS, PA, PE, PP, PVC, PS, PU and so on. (Including PVC, PP, PE, PS, etc. can also be used as anti-static agent and anti-fog agent)

Recommended dosage:

1. In the PC or PA to do so to prevent the use of glass fiber exposed agent, the amount of 0.6%.
2. In the PC / ABS flame retardant materials used in the amount of 0.6%.
3. Other 0.25-0.35% can be.

THE PACKAGE AND SHELF LIFE::

25kg / bag. Should be at room temperature, a cool, ventilated, dry place, Please note that open bag and sealed to prevent caking. Mixed with inflammable, explosive, toxic and hazardous substances storage or shipment is strictly prohibited. Unopened storage period of 24 months.

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