# Recycled Plastics Ambition 2025



#### **VOLVO OCEAN RACE**









#### **#VolvoCarsBeachCleanup**







#### The Recycled Plastics Demo Car







Short film

#### **COMPONENTS & MATERIALS IN THE DEMO CAR**



- 170 components
- 60 kg recycled material
- 44 suppliers

#### Materials:

- PP
- ABS
- PC+ABS
- PA
- PET
- PUR



#### **TEXTILES**





#### INTERIOR





#### **EXTERIOR**







#### TYPES OF RECYCLED MATERIALS

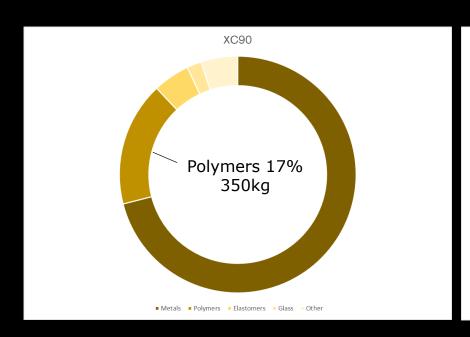


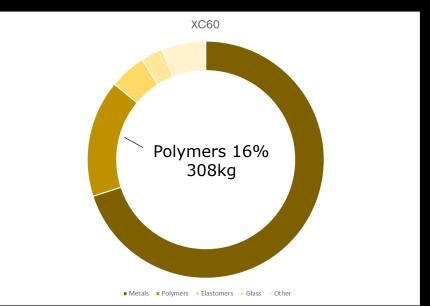
- Post-Consumer Recyclates (PCR)
- Post-Industrial Recyclates (PIR)
- <u>NOT</u> Home Scrap



#### MATERIAL BREAKDOWN







### CHALLENGES AND OPPORTUNITIES WITH RECYCLED PLASTICS



- Quality, quantity and price
- Availability on all markets
- Chemical substance regulations



#### **ON-GOING ACTIVITIES**



- Direct collaboration with material suppliers
- RFI (Request for Information)
- Sourcing of future car models
- Continued testing and verification of recycled plastics parts

#### **NEXT STEPS**



- Research projects internally and externally
- Simulation data
- Ramp-up to mass production
- Closed loop recycling
- Common definitions



#### **EU STRATEGY RECYCLED PLASTICS**



- 10 million tons recycled plastics 2025
- Pledging campaign for automotive
- Target is 1 million tons



Brussels, 16.1.2018 COM(2018) 28 final

COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

A European Strategy for Plastics in a Circular Economy

{SWD(2018) 16 final}

#### **AMBITION**

Volvo Cars to remove single-use plastics from all offices, canteens and events by end of 2019

- 20 million items/year
- 500 items per employee/year













Aiming for 25% recycled plastics in packaging solutions 2025







## Collaboration, -is the Key!

"Sustainability is no longer a box ticking exercise, but business critical, it's a significant commercial opportunity for those companies that get it right."

"Our customers want safer, more sustainable and convenient cars. We can meet that demand, be a force for change and grow our business at the same time."

Håkan Samuelsson President & CEO





### THANK YOU

andreas.g.andersson@volvocars.com

tina.carvid@volvocars.com

VOLVO