
2015 CARE Conference

Carpet Recycling 101

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Shaw Industries

Brief History of Carpet Recycling

- Formation of CARE in 2002
- Development of Collector Network
- Development of Carpet Analyzers
- Development of Other Technologies
- Development of End Use Markets and Competition
- Recent Rise of PET

Carpet Construction

- Primary Backing
- Face Fiber
- Latex/Filler
- Secondary Backing
- Finished Carpet

Residential vs Commercial

- Market Differences (living space vs working space)
- Sales Channel Differences (dealer vs project)
- Product Construction Differences
 - Backing types (broadloom vs tile)
 - Face Fiber types (cut pile vs loop)

Face Fiber Types & Trends

	2007 est.	2015 est.
Nylon 6	40%	35%
Nylon 6,6	45%	20%
PP	10%	10%
PET	5%	35%

Collectors & the Collection Process

- Who are the Collectors?
- How do they get PCC material?
- What do they do with it?
- Who do they sell it to?

Processing Technologies

- De-polymerization
- Shearing
- Shredding & Hammer-milling
- Shredding
- Emerging Technologies

End Use Markets & Drivers

- Carpet to Carpet
 - Face Fiber
 - Backing
- Plastics Markets – Compounders
 - Quality Matters
 - Virgin Material Price Ceiling
 - Post-Industrial Material Price Ceiling
 - Demand Side “Pull” vs Supply Side “Push”
- Fiber Applications
 - Carpet Cushion
 - Other Applications
- Waste to Energy

Current Trends

- PET % Increasing
- Voluntary Product Stewardship (VPS)
- Extended Producer Responsibility (EPR)
- Virgin Material (Oil) Prices

Questions?