



Redesigning plastics. For good.

THE R-PVC COMPOUND SOLUTION FOR FLUID MANAGEMENT

ProVinyl|-R
Plasticized, rigid and recycled

The recycling challenge

New regulations such as the upcoming CPR will boost the demand for post-consumer recycled content. However, legacy targets for rPVC additives with mandatory circularity in 2026 will create real challenges for producers.

The IR25R solution

Benvic's new PVC compound, IR25R and its derivatives meets these recycling challenges in full: Our de-bottlenecking solution will combine select post-consumer recyclates with other compounds that are suitable for injection moulding and extrusion.

Applications

- ✓ Non pressure fittings
- ✓ Pipes
- ✓ Corrugated pipes
- ✓ Gutter junction
- ✓ Grilles
- ✓ Indoor profiles



Post consumer recyclate (PCR)

Benvic's IR25R compound is loaded with up to 30% recycled content - saving resources while lowering GHG emissions.



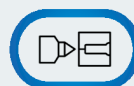
No legacy additives

Formulations using appropriate recyclates clear all regulatory constraints.



No circularity needed

These Benvic compounds also bypass the circularity obligation.



Suitable for injection and extrusion

IR25R compounds can be processed to manufacture all fluid components - both pipework (extrusion) and fittings (injection moulded).



Easy substitution

IR25R avoids expensive retooling with like-for-like material substitution.



High temperature performance

High Vicat ratings ensure versatility in usage and higher service temperatures.

*Combination of both post consumer and post industrial recyclates



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TECHNICAL DATA

IR25R/9701/30

Unplasticized PVC compounds with 30% post consumer recycled content

Physical data

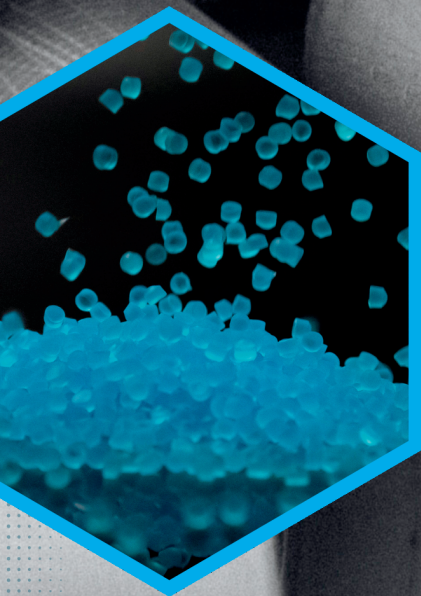
Density	1.36 Kg/m ³
Vicat	81°C
Thermal stability	35 min

Rheological data

MFI 190°C/21.6kg	12
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Mechanical data

Elastic modulus	2500 MPa
Stress at yield	36 MPa
Stress at break	32MPa
Deformation at break	>20%
Izod 23°C	5 KJ/m ²



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BENVIC innovates every day - enabling every customer to develop new products that meet the challenges in the emerging circular economy. BENVIC provides new solutions in recycling and biosourcing - helping circular applications find just the right material fit - each and every time.



To get more

