

**Blow-Molded PP Packaging**  
*EU Portfolio*

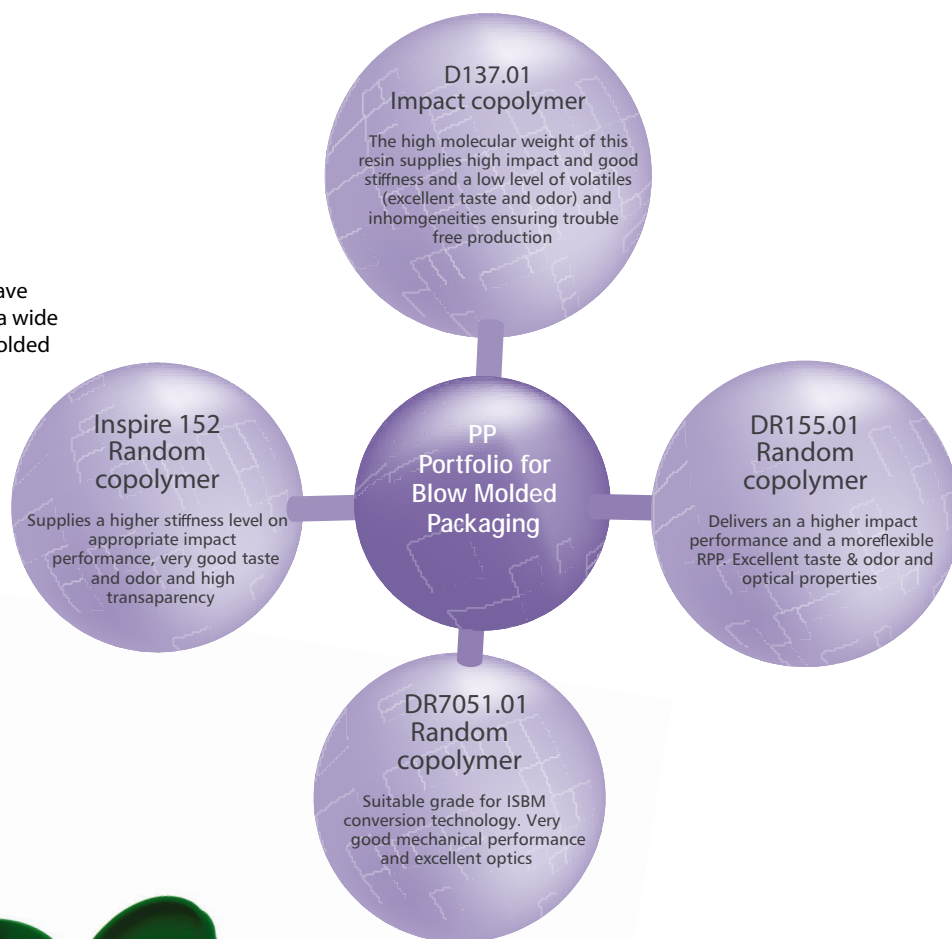
**Braskem**

# Blow-Molded PP Packaging

## EU Portfolio

### Blow Molded Packaging

Modern assets and a variety of technologies leave Braskem well positioned to meet and develop a wide array of projects and challenges in the blow-molded packaging segment.



### Main Properties

Current grade	new grade	MFR	PP family	Tensile Modulus	Tensile Strain at Yield	Charpy Notched Impact Strength at 23°C	Charpy Notched Impact Strength at 0°C	Charpy Notched Impact Strength at -20°C	Heat Deflection Temperature 0.45 MPa	Haze, 1mm plaque
Method		ISO 1133		ISO 527-2/1A	ISO 527-2/1A	ISO 179-1/1eA	ISO 179-1/1eA	ISO 179-1/1eA	ISO 75-2/B	ASTM D1003
Units		g/10 min		MPa	%	kJ/m <sup>2</sup>	kJ/m <sup>2</sup>	kJ/m <sup>2</sup>	°C	%
Inspire137	D137.01	0,75	heterophasic copolymer	1000	13	40 (no break)	5	3	71	n.m.
C123-01N		1,2	heterophasic copolymer	1350	8	15	6,5	4,5	87	n.m.
C7061-01N	DC7061.01	1,5	heterophasic copolymer	1300	9	15	6,5	4,5	85	n.m.
R7050-02N	DR155.01	2	random copolymer	900	12	18 (hinge break)	n.m.	n.m.	68	10
DR152.00	Inspire 152	2	random copolymer	1100	11	8,500	n.m.	n.m.	79	10
DR7051.01		10	random copolymer	1200	28	12	6	2.5	80	12

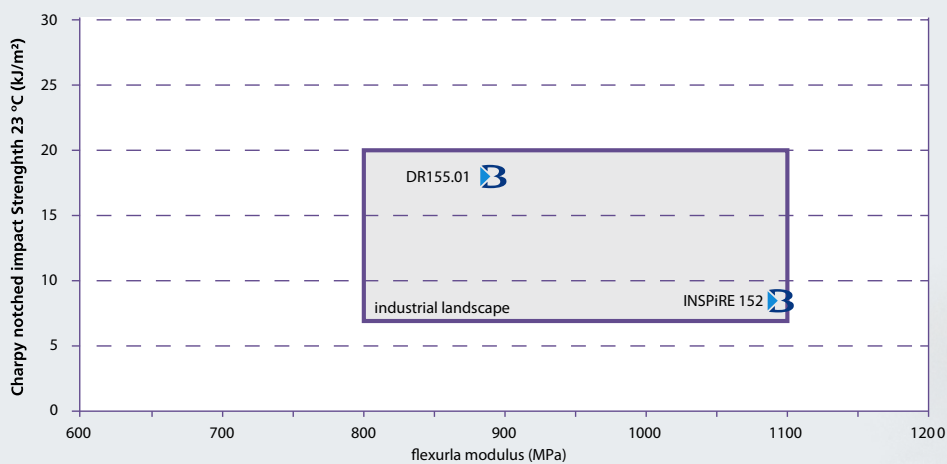
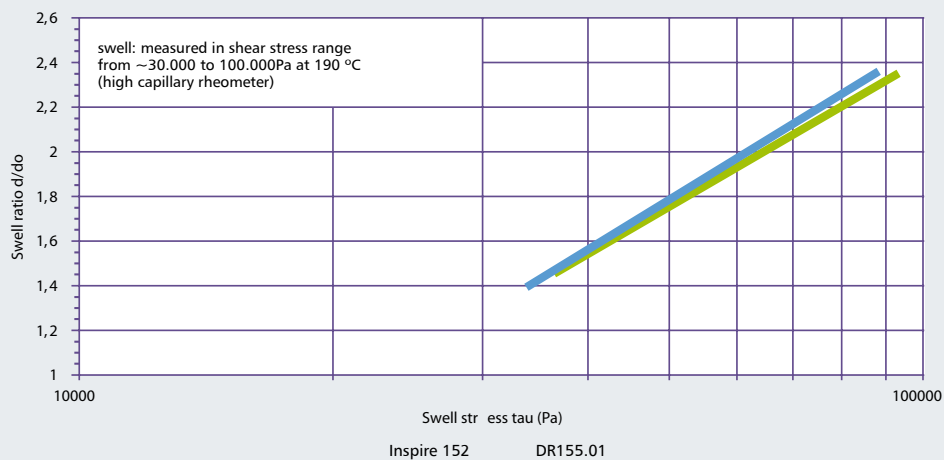
## Portfolio Highlight: Random copolymers

Braskem supplies to the blow molding industry resins on high clarity and excellent sensorik performance.

Molders have the choice between the higher stiff INSPIRE 152 or the higher tough DR155.01.

The polymer design of the both randoms at a Melt Flow Rate (MFR230°C, 2.16) of about 2g/10min allows the converter an easy to manage processing across the whole blowmolding process (extruder, die and blowing and cooling stage). antistatic equipped.

### INSPIRE 152 random copolymer with optimized die swell for blow molding applications



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