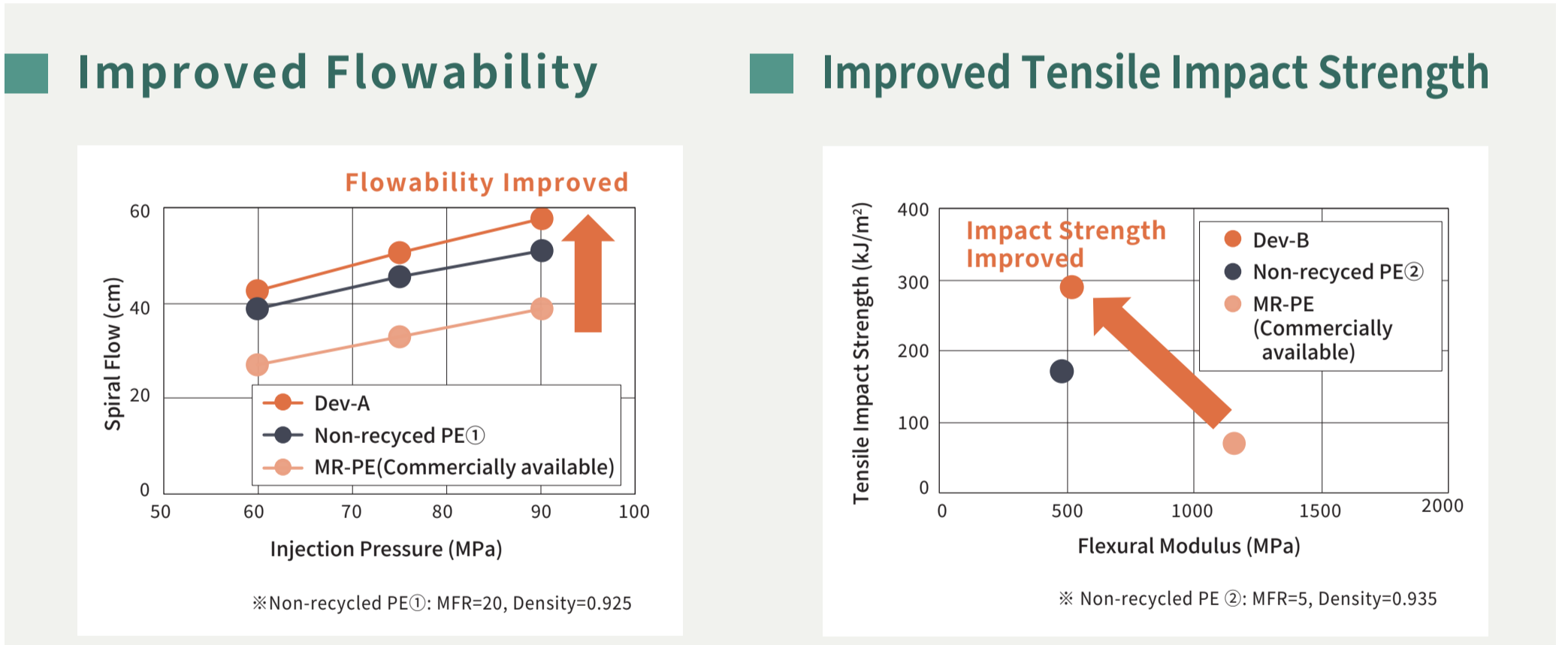


Mechanically Recycled PE for Injection Molding



Use Injection Molding (Household Goods / Industrial Components etc.)

- Background**
- Since Mechanically Recycled PE (MR-PE) has lower ESCR or impact strength than virgin PE, it is not widely applied for the detergent bottles.
 - Our new modifier is now under development to enhance those physical properties of MR-PE without losing stiffness in small quantities.



Properties

		MR-PE (Commercially Available)	Dev-A (High Flow)	Dev-B (High Impact Resistance)	Dev-C (High Rigidity)
Source of MR-PE	-	Plastic Bottle Caps			
MR-PE Content	wt%	100	30	50	50
MFR	g/10min	1.5	23	5	13
Density	g/cm ³	0.96	0.93	0.94	0.95