



MATERIAL PROPERTIES								
	PS	PET	CPET	PP	CO-PP	PVC	HDPE	PLA
Minimum temperature Température minimum Minimum temperatuur	-18°C	-5°C	-5°C	0°C	-40°C	-5°C	-70°C	-20°C
Maximum temperature short term Température maximum court terme Maximum temperatuur korte termijn	90°C	70°C	220°C	140°C	120°C	80°C	100°C	50°C
Maximum temperature long term Température maximum longue terme Maximum temperatuur lange termijn	80°C	70°C	220°C	110°C	120°C	70°C	90°C	45°C
Density Densité Densiteit	1.05	1.35	1.35	0.91	0.91	1.38	0.96	1.25
Gauge Comparaison* Comparaison de Calibre* Diktevergelijk*	110	105	110	125	140	100	140	100
Light transmission* Transmission de la lumière* Lichtdoorlaatbaarheid*	60	100	100	90	90	100	60	100
Material rigidity (N/mm <sup>2</sup> ) Rigidité des matériaux (N/mm <sup>2</sup> ) Materiaalsterkte (N/mm <sup>2</sup> )	1,900 -2,500	2,200	2,900	1,700	1,350			3,500

\* Indicative value / Valeur indicative / Indicatieve waarde

## BARRIER PROPERTIES

Permeability Coefficients - Coefficient de perméabilité - Doorlaatbaarheid

		PS	PET	PP	CO-PP	CPET	PVC	PLA
O <sub>2</sub>	$\frac{\text{cm}^3 \times 25 \mu\text{m}}{\text{m}^2 \times 24\text{h} \times \text{bar}}$	6,000	100-160	1,500	2500 - 4,500	66-78	120-300	500
CO <sub>2</sub>	$\frac{\text{cm}^3 \times 25 \mu\text{m}}{\text{m}^2 \times 24\text{h} \times \text{bar}}$	18,000	200-500	8,800	9,500 - 14,400	230-260	320 - 1,000	2,500
N <sub>2</sub>	$\frac{\text{cm}^3 \times 25 \mu\text{m}}{\text{m}^2 \times 24\text{h} \times \text{bar}}$	2,000	5-20	640	700-880	9-16	50-150	
H <sub>2</sub> O	$\frac{9 \times 25 \mu\text{m}}{\text{m}^2 \times 24\text{h}}$	60-150	10-30	6	7-12	14	10-40	300