



REFILL N

polyolefins blend

Typical Properties	Test Method	Test condition	Units	Value
Physical				
Density	ASTM D 792-91	23 °C	g/cm ³	0,945
Ashes Percentage	ISO 3451		%	1,9
Melt Flow Rate (MFI)	ASTM D 1238A	190 °C/ 2,16 Kg	g/10 min	0,88
Moisture percentage	UNI 10667-16		%	≤ 0,2
Mechanical				
Izod Failure Energy	ISO 180A	23 °C	KJ/m ²	33,2 ± 2,6
Izod Failure Energy	ISO 180A	-20 °C	KJ/m ²	5,0 ± 0,3
Elastic flexural Module	ISO178		N/mm ²	395
Tensile Module	ISO 527		N/mm ²	421
Tensile Strength at break	ISO 527		N/mm ²	25,8
Elongation at break	ISO 527		%	320
Environmental stress cracking resistance*	ASTM D1693 (B)	50 °C	h	> 300
Thermal				
Deflection index HDT	ASTM D 648-96		°C	nd
Softening Temperature VICAT	ASTM D 1525-96		°C	nd
Melting Point DSC	ASTM D 3418-97		°C	113; 127; 163
(For every peak in the blend)			°C	
Molding conditions				
Cylinder temperature			°C	190-220
Mold temperature			°C	30-60
Drying temperature			°C	60-80
Drying time**			h	4

The product complies with the standard UNI 10667

The values shown represent the average of a representative sample of the product and are provided to give indications

to the user; they do not constitute a guarantee and do not generally imply any guarantee or commitment on the part of the Company.

The mean value obtained in the tensile tests have a confidence interval established at 95% of the mean value

The synthetic polymer microparticles supplied are subject to the conditions set out in Annex XVII, entry 78, of Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

* 100% Surfactant – Condition B

** we recommend drying the granule for 4 hours from 60 to 80 °C

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